ARC-AGI Resources: Videos

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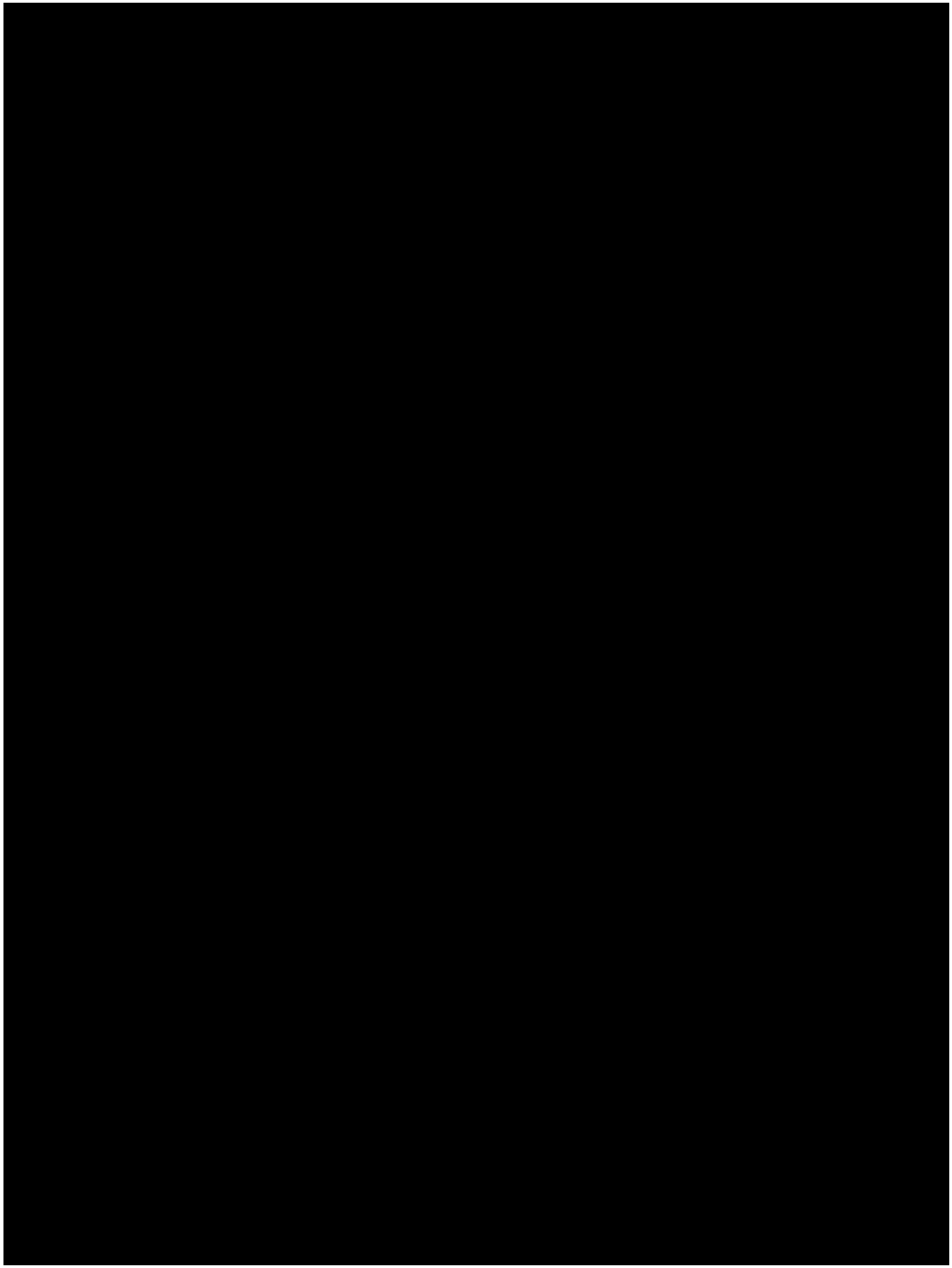
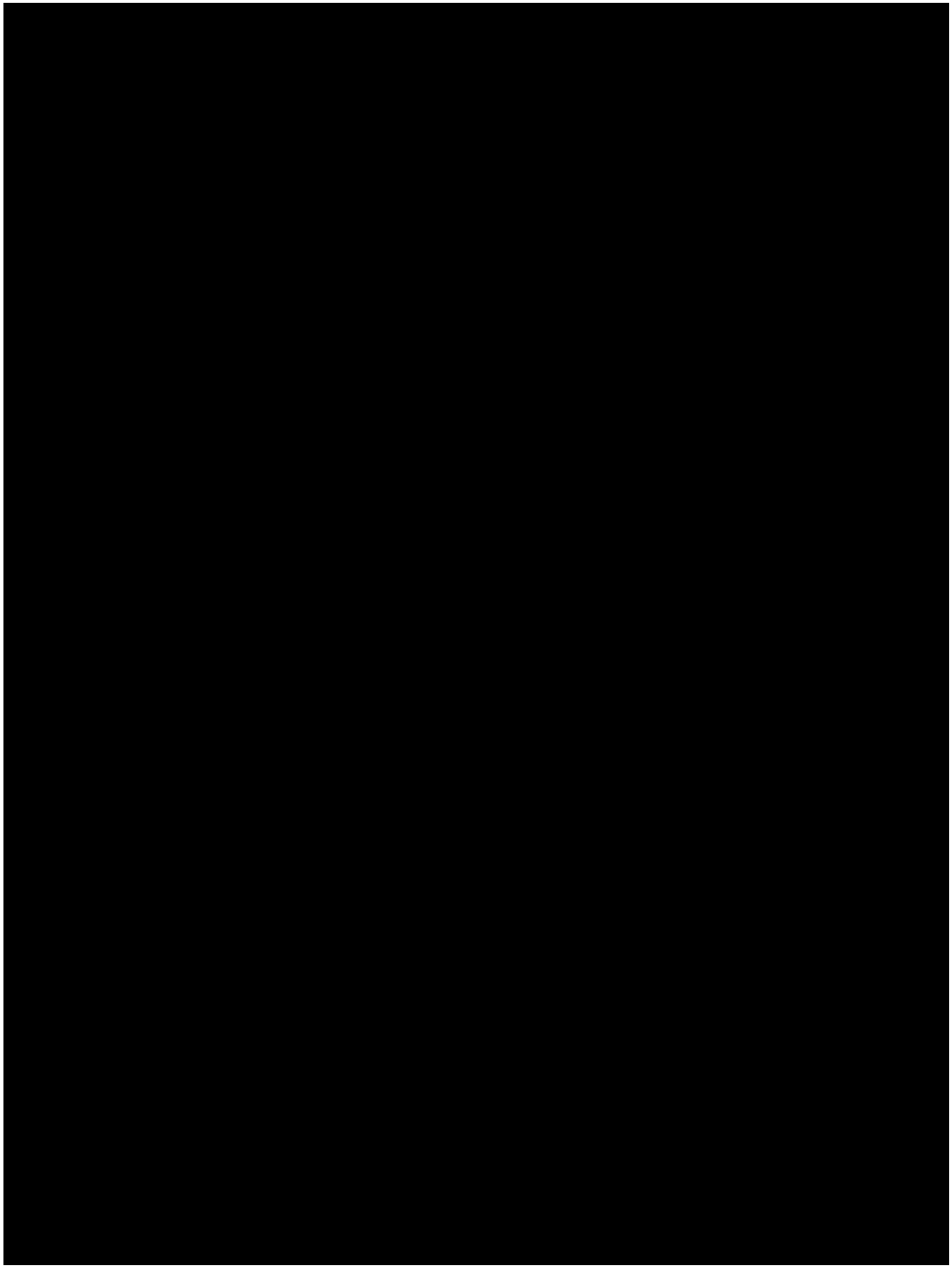
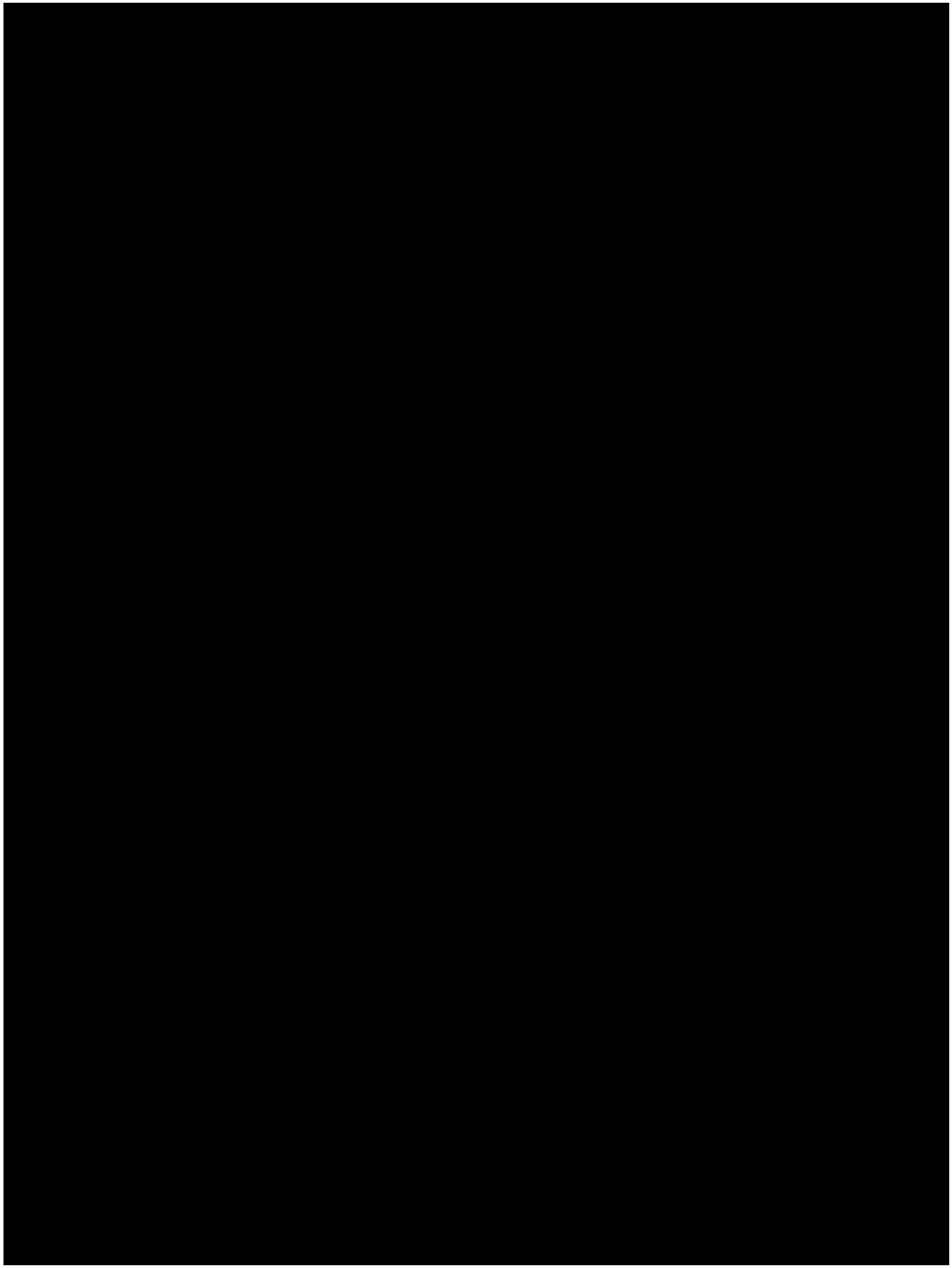
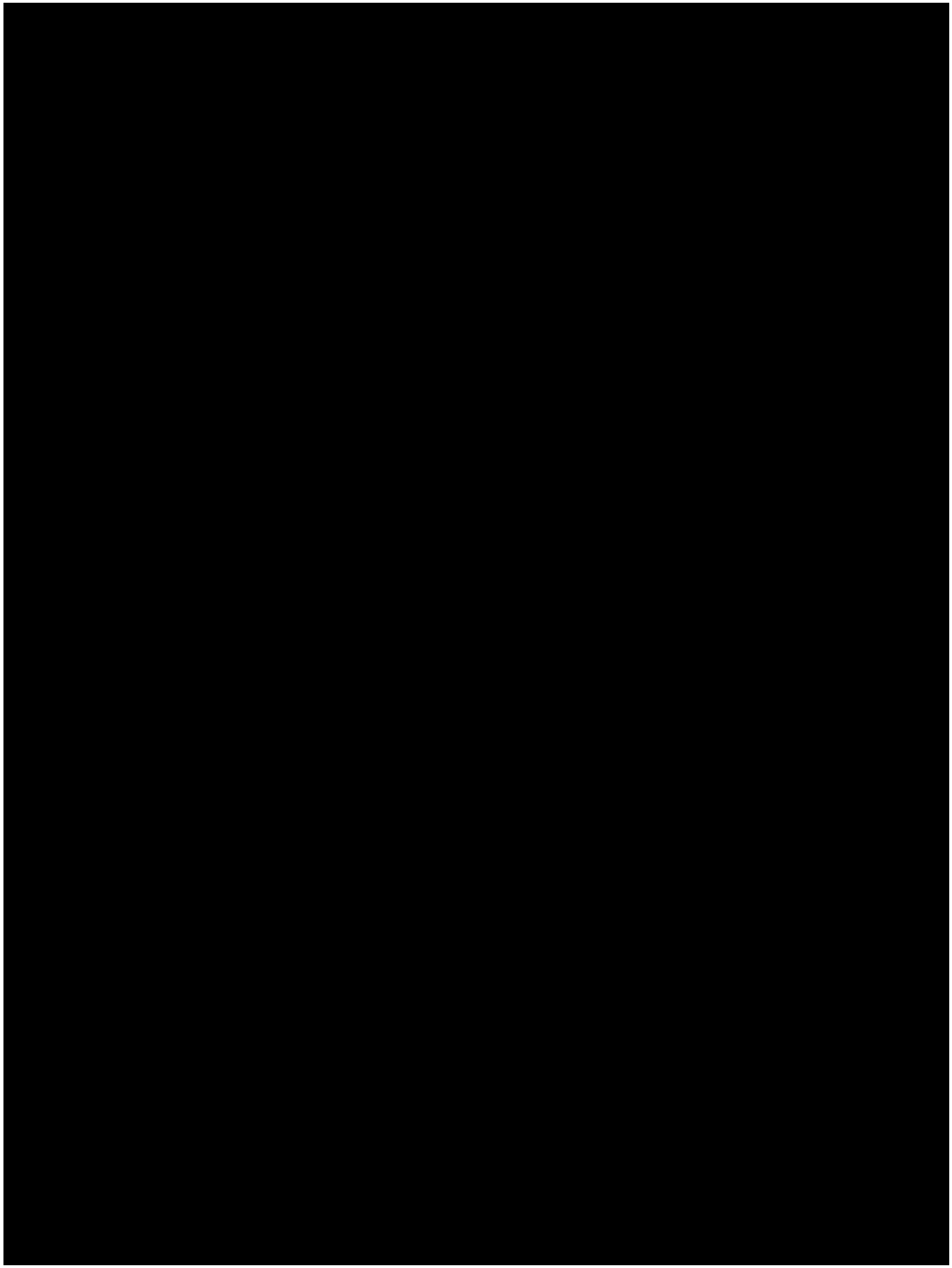
Date Added	Title	Views	Length	Date
6/28/2024	Francois Chollet - LLMs won't lead to AGI - $1,000,000 Prize to find true solution			2024-06-11
6/28/2024	No Priors Ep. 68 | With Zapier Co-Founder and Head of AI Mike Knoop			2024-06-11
6/28/2024	The Simple $1,000,000 Problem AI Can't Solve			2024-06-13
6/28/2024	Spoiler Alert! - ARC-AGI puzzle solving by real humans #ARCPrize #AGI #puzzle #iqtest			2024-06-13
6/28/2024	fchollet/ARC-AGI - Gource visualisation			2024-06-14
6/28/2024	AI Won't Be AGI, Until It Can At Least Do This (plus 6 key ways LLMs are being upgraded)			2024-06-17
6/28/2024	ARC PRIZE - Win $1Million to Beat the ARC-AGI benchmark			2024-06-18
6/28/2024	Chollet's ARC Challenge + Current Winners			2024-06-18
6/28/2024	Googlers React To Dwarkesh Patel & Francois Chollet - ARC Challenge On Path To Be Beaten			2024-06-22
6/28/2024	This puzzle is easy for humans but hard for AI. How quickly can you solve it?			2024-06-22
6/28/2024	How my MoA will Win 1M $! | ARC-AGI Prize			2024-06-23
6/28/2024	280 | François Chollet on Deep Learning and the Meaning of Intelligence			2024-06-24
6/28/2024	$1m prize for AI that can solve puzzles that are simple for humans			2024-06-25
6/28/2024	Claude 3.5 struggle too?! The $Million dollar challenge			2024-06-26
6/28/2024	$1M bet ChatGPT won't lead to AGI, Apple's intelligent AI use, AI millionaires surge: AI Eye			2024-06-13
6/28/2024	ARC Prize 2024			2024-06-21
6/11/2024	why AI can't pass this test	677,074	0:18:34	2023-08-31
6/11/2024	François Chollet: Measures of Intelligence | Lex Fridman Podcast #120 [ARC from 1:35:59]	235,863	2:34:20	2020-08-30
6/11/2024	#51 FRANCOIS CHOLLET - Intelligence and Generalisation	66,935	2:01:53	2021-04-16
6/11/2024	The Hardest Kaggle Challenge	39,008	0:40:26	2020-03-02
6/11/2024	AI BENCHMARKS ARE BROKEN! [Prof. MELANIE MITCHELL]	22,400	1:01:48	2023-09-10
6/11/2024	The Future of Artificial Intelligence	15,187	0:47:41	2024-02-22
6/11/2024	Francois Chollet - On the Measure Of Intelligence	13,328	2:33:31	2020-06-18
6/11/2024	ARC Challenge Live Coding	13,319	1:29:06	2022-07-02
6/11/2024	Francois Chollet: What is the future of artificial intelligence?	8,252	1:18:31	2020-06-15
6/11/2024	François Chollet - Creating Keras 3	7,849	1:05:31	2024-04-18
6/11/2024	On the Measure of Intelligence by François Chollet - Part 2: Human Priors (Paper Explained)	7,579	0:30:50	2020-06-19
6/11/2024	On the Measure of Intelligence by François Chollet - Part 3: The Math (Paper Explained)	5,699	0:43:24	2020-06-26
6/11/2024	On the Measure of Intelligence by François Chollet - Part 4: The ARC Challenge (Paper Explained)	4,963	0:33:56	2020-07-03
6/11/2024	#97 SREEJAN KUMAR - Human Inductive Biases in Machines from Language	4,371	0:24:58	2023-01-28
6/11/2024	ARC challenge is a hard test for machines, easy for humans | François Chollet and Lex Fridman	4,194	0:23:33	2020-09-03
6/11/2024	Francois Chollet | Why abstraction is the key to intelligence, and what we're still missing	2,938	1:10:44	2021-09-22
6/11/2024	The Debate Over "Understanding" in AI's Large Language Models [ARC from 33:45]	2,825	0:44:41	2024-04-22
6/11/2024	On the Measure of Intelligence (Introduction)	2,761	0:19:09	2020-06-14
6/11/2024	Modular Learning and Reasoning on ARC	2,510	1:31:55	2021-02-11
6/11/2024	Could AI solve this puzzle? (ARC-Game)	2,477	0:18:42	2021-11-16
6/11/2024	Are Neural Networks Intelligent?	2,356	0:08:59	2020-12-07
6/11/2024	LLMs as General Pattern Machines: Use Arbitrary Tokens to Pattern Match?	1,826	1:45:27	2023-08-15
6/11/2024	Abstraction and Analogy are the Keys to Robust AI - Melanie Mitchell	1,343	0:47:38	2022-08-05
6/11/2024	Can GPT4 solve the Abstraction and Reasoning Corpus (ARC) Challenge Zero-Shot?	1,277	0:23:19	2023-04-17
6/11/2024	LLMs as a System of Multiple Expert Agents to solve the ARC Challenge (Detailed Walkthrough)	1,139	1:27:55	2023-10-10
6/11/2024	Melanie Mitchell - Abstraction and Analogy in Artificial Intelligence - IPAM at UCLA	1,093	0:19:55	2022-02-15
6/11/2024	Learning Part-Whole Structure by Chunking - More Efficient than Deep Learning!!!	1,006	2:33:52	2023-02-28
6/11/2024	EP 217 Ben Goertzel on a New Framework for AGI	873	1:01:38	2024-01-24
6/11/2024	LLMs as a system to solve the Abstraction and Reasoning Corpus (ARC) Challenge!	742	2:01:03	2023-06-20
6/11/2024	AI Abstraction and Reasoning | More Human-like AI | Kaggle Competition Part 1: Overview	726	0:07:19	2020-04-10
6/11/2024	LLM as Pattern Machines(Part 2) - Goal Directed Decision Transformers, 10-Year Plan for Intelligence	679	1:42:34	2023-08-23
6/11/2024	Painting with my eyes, webgazer and D3	659	0:00:37	2023-12-31
6/11/2024	GPT 4: The Progress of AI, ConceptARC Challenge AI Paper Explained	548	0:07:33	2023-07-26
6/11/2024	How do humans solve ARC tasks, Abstraction & Reasoning Corpus	542	0:01:57	2024-04-21
6/11/2024	Alejandro de Miquel - 2nd in ARC Kaggle Challenge - EP 03	514	2:01:15	2020-11-17
6/11/2024	The IQ of AI: Measuring Intelligence in AI Models	401	0:27:25	2023-11-16
6/11/2024	A Glimpse of the Happy ARC Day	323	0:07:55	2022-08-03
6/11/2024	Hierarchy! The future of AI: How it helps representations and why it is important.	318	2:26:38	2023-05-25
6/11/2024	The Gradient Podcast - François Chollet: Keras and Measures of Intelligence	283	1:28:50	2024-01-12
6/11/2024	ARC Challenge - IBS/KAIST Data Science Seminar Series	275	0:50:14	2022-08-11
6/11/2024	ChatGPT Shatters the Turing Test: A New Era Dawns in AI Conversation!	233	0:03:26	2023-08-16
6/11/2024	What is ARC (Abstraction and Reasoning Corpus)	206	0:04:53	2023-05-27
6/11/2024	ARC Challenge - Using NLP Models 1	167	0:09:09	2022-07-13
6/11/2024	Task 0934a4d8 - Repair symmetry and crop - Abstraction and Reasoning Corpus (ARC)	128	0:05:50	2023-04-17
6/11/2024	Abstract Reasoning Corpus IDE	118	0:00:25	2021-02-12
6/11/2024	Solving 4 tasks of Abstraction and Reasoning Corpus (ARC)	97	0:02:19	2024-01-16
6/11/2024	Tracking of objects between input and output - ARC (Abstraction and Reasoning Corpus)	97	0:00:45	2023-07-16

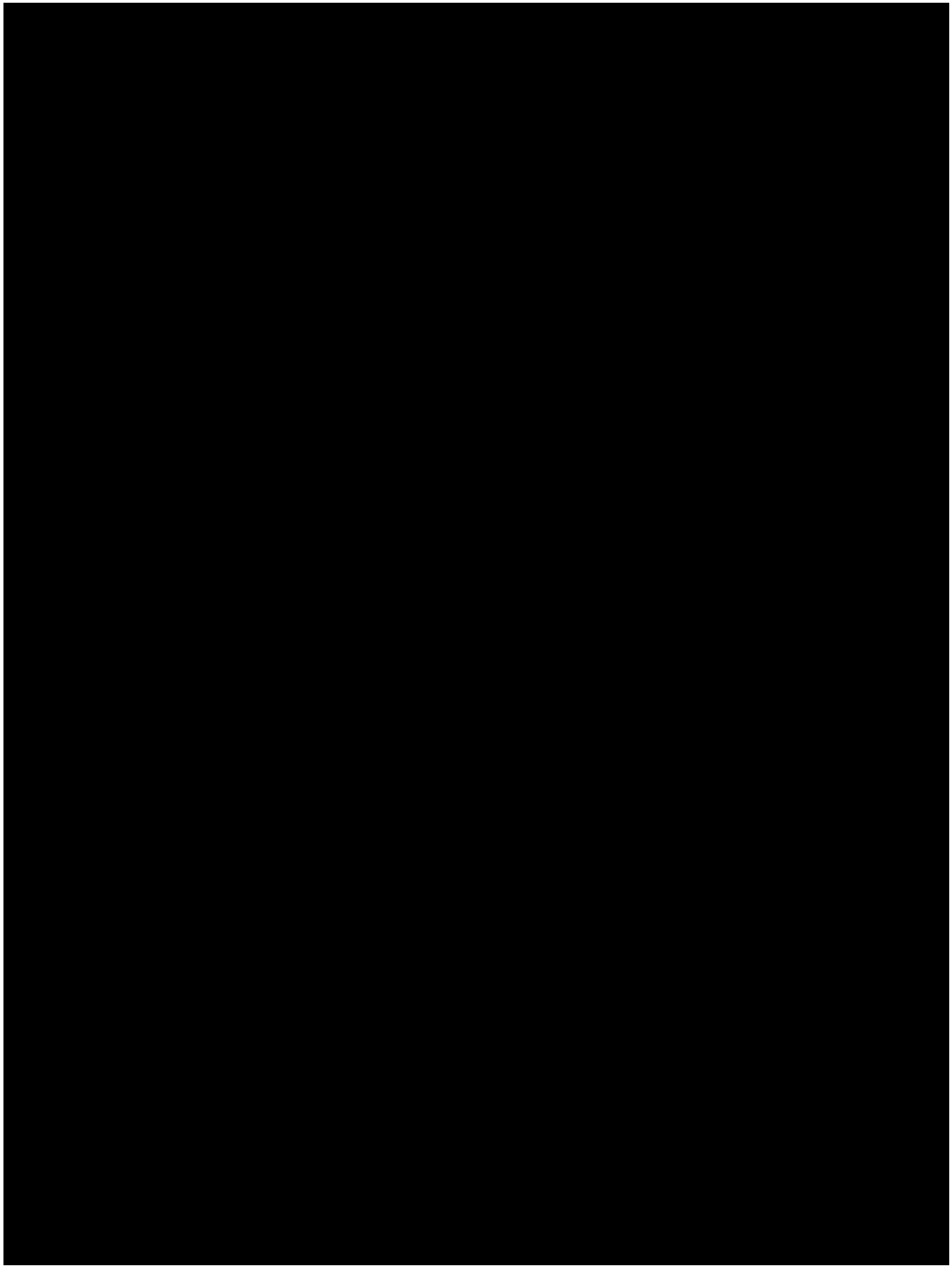
6/11/2024	Summer Intern Talk - Prin	92	0:05:25	2022-12-28
6/11/2024	[CW Paper-Club] On the Measure of Intelligence	91	0:34:34	2023-09-12
6/11/2024	ARTI - An ARC Challenge Solver Architecture	86	0:15:13	2022-11-02
6/11/2024	SupCog EP3 - On the Measure of Intelligence, by François Chollet	80	0:45:37	2021-01-19
6/11/2024	ARC eye tracking introduction	69	0:03:11	2024-02-14
6/11/2024	[5 min] communicating natural programs to humans and machines	66	0:05:06	2023-01-04
6/11/2024	Output size tool for ARC (Abstraction and Reasoning Corpus)	66	0:01:02	2023-06-17
6/11/2024	The Gradient Podcast - Melanie Mitchell: Abstraction and Analogy in AI	56	0:54:47	2024-01-11
6/11/2024	ARC IDE demo	52	0:02:25	2021-02-12
6/11/2024	ARC (Abstraction and Reasoning Corpus) mutations printed to console	48	0:06:44	2023-07-22
6/11/2024	Math Psych 2021 (ARC)	47	0:04:57	2021-06-15
6/11/2024	Solving ARC task 18419cfa (Abstraction and Reasoning Corpus)	32	0:00:27	2024-01-18
6/11/2024	ARC World: Login Page	21	0:00:49	2023-06-04
6/11/2024	ARC - My approach to the ARC Challenge	20	0:11:43	2021-09-28
6/11/2024	Solving ARC 33b52de3, Abstraction & Reasoning corpus	15	0:01:08	2024-02-18
6/11/2024	youtube arc solution description	13	0:01:55	2023-05-20
6/11/2024	On the Measure of Intelligence	8	0:11:25	2023-04-21
6/11/2024	Language annotated Abstraction and Reasoning Corpus	0	0:03:01	2021-07-21

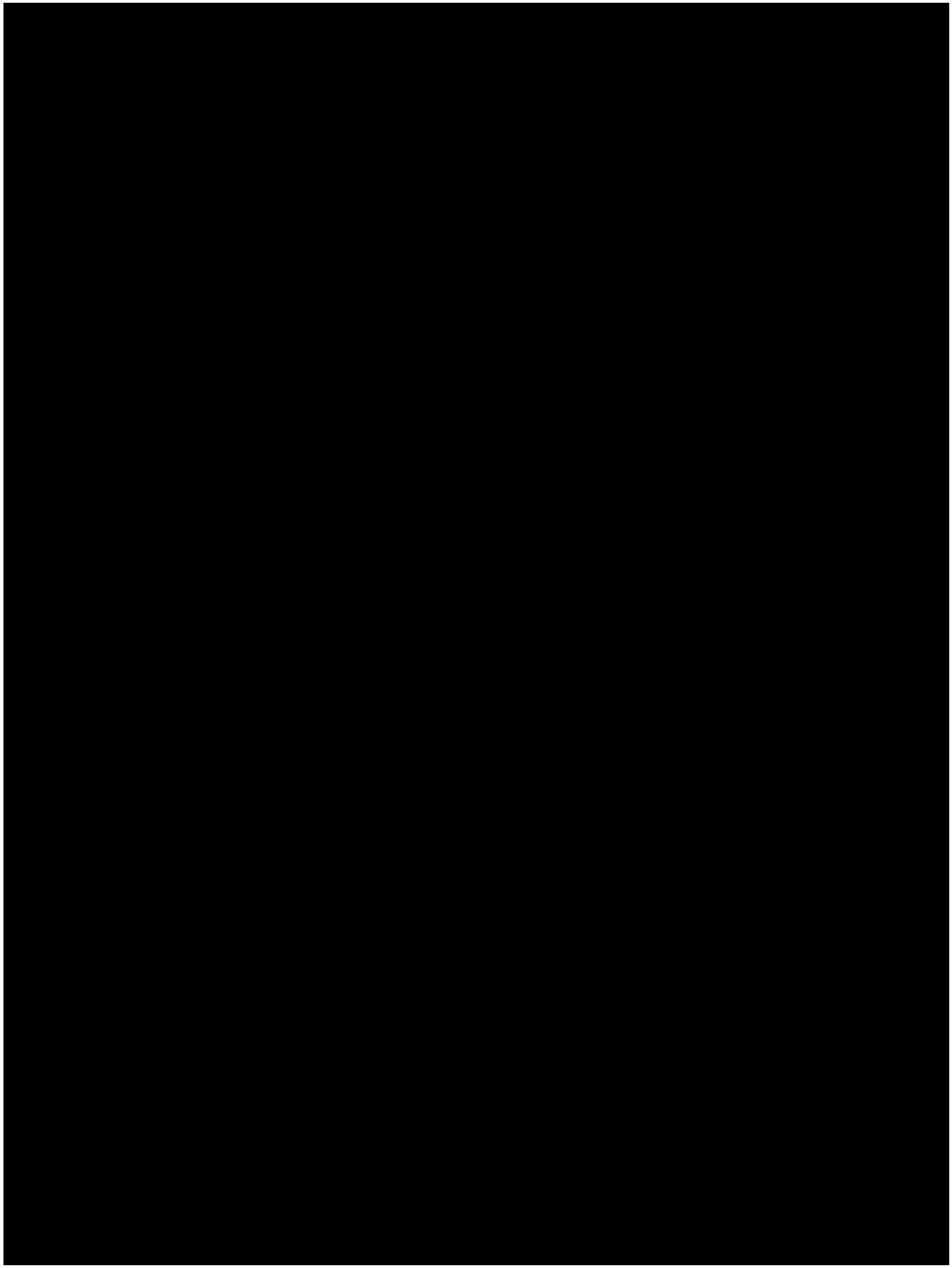


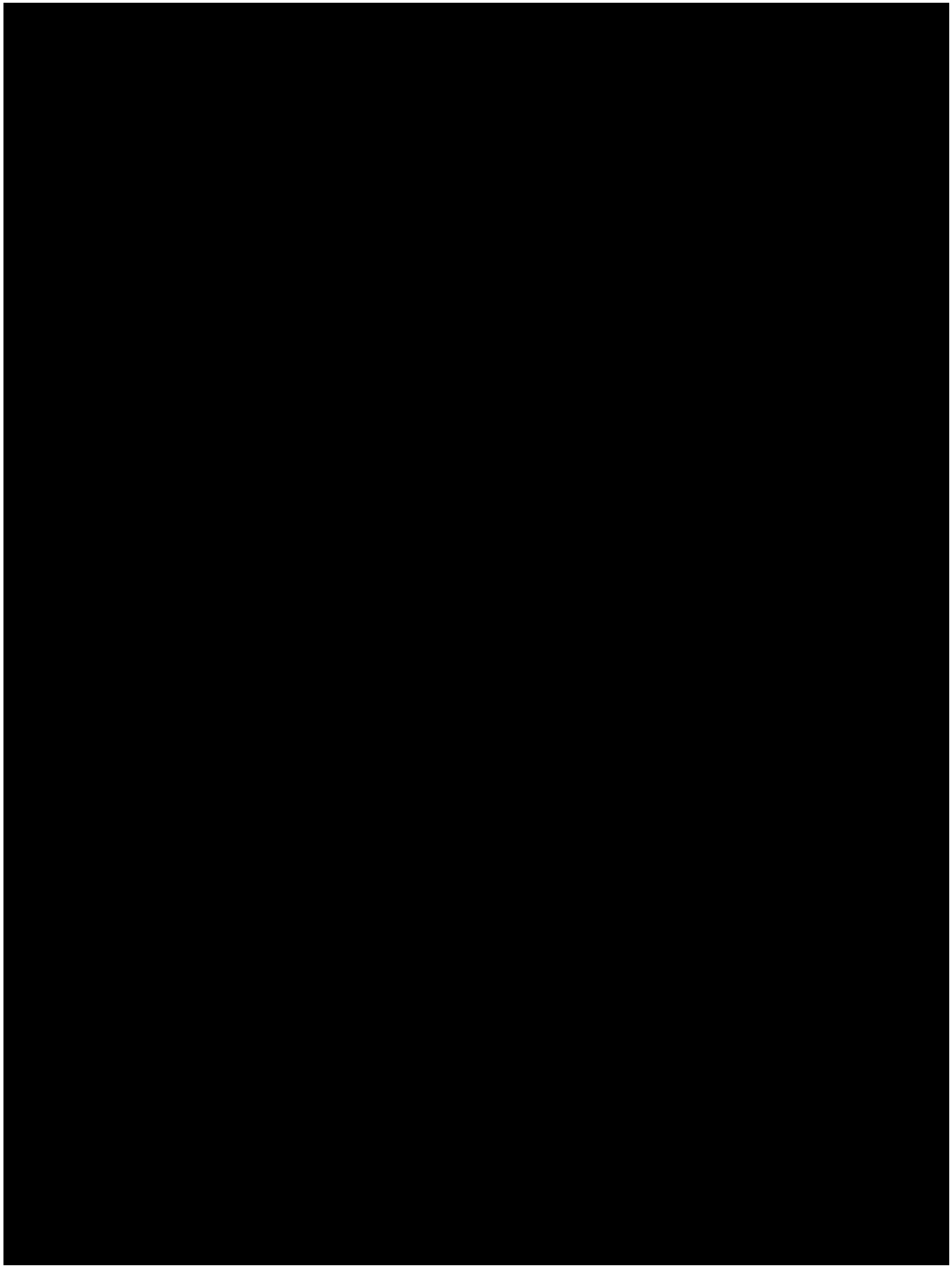


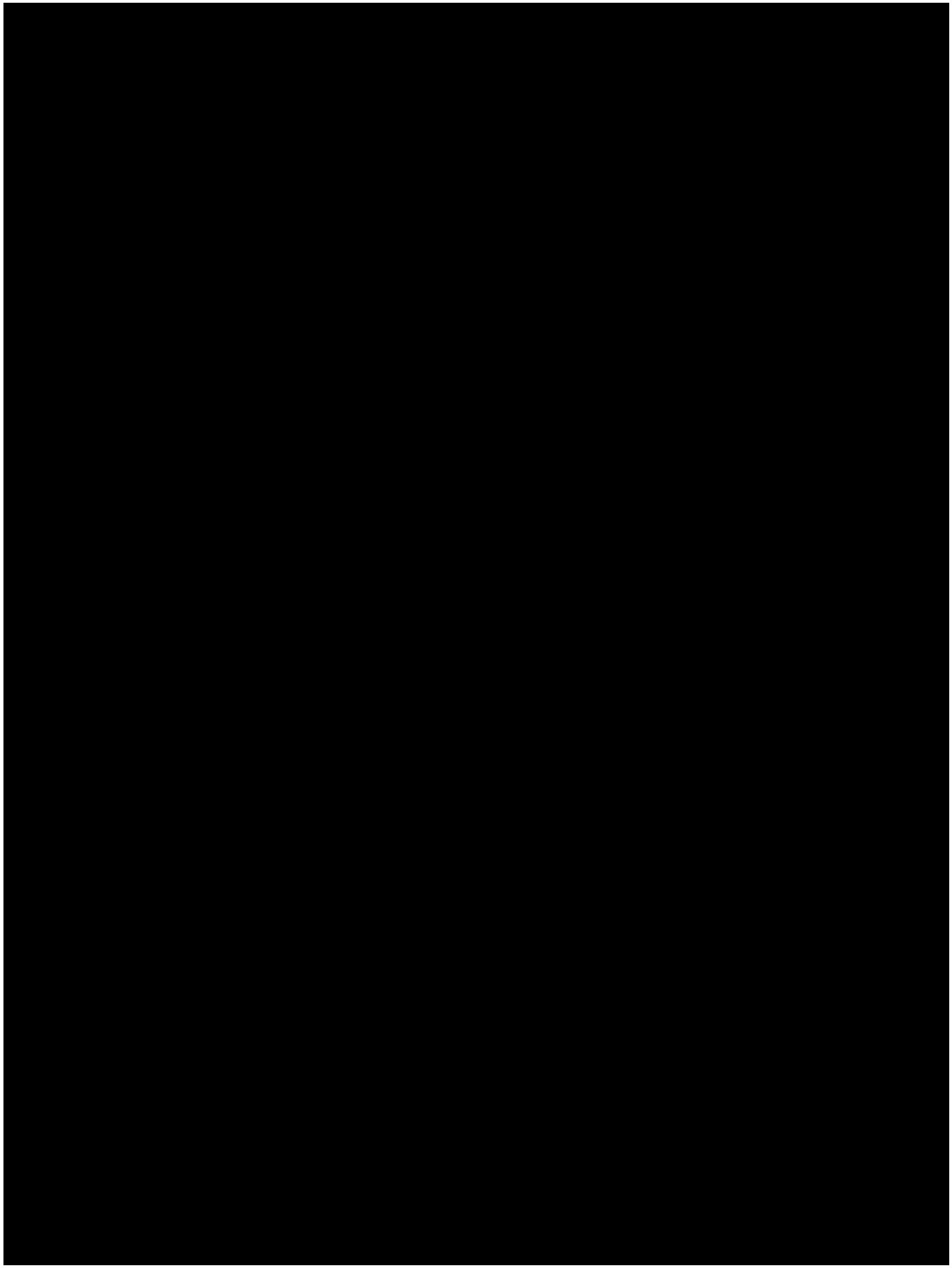


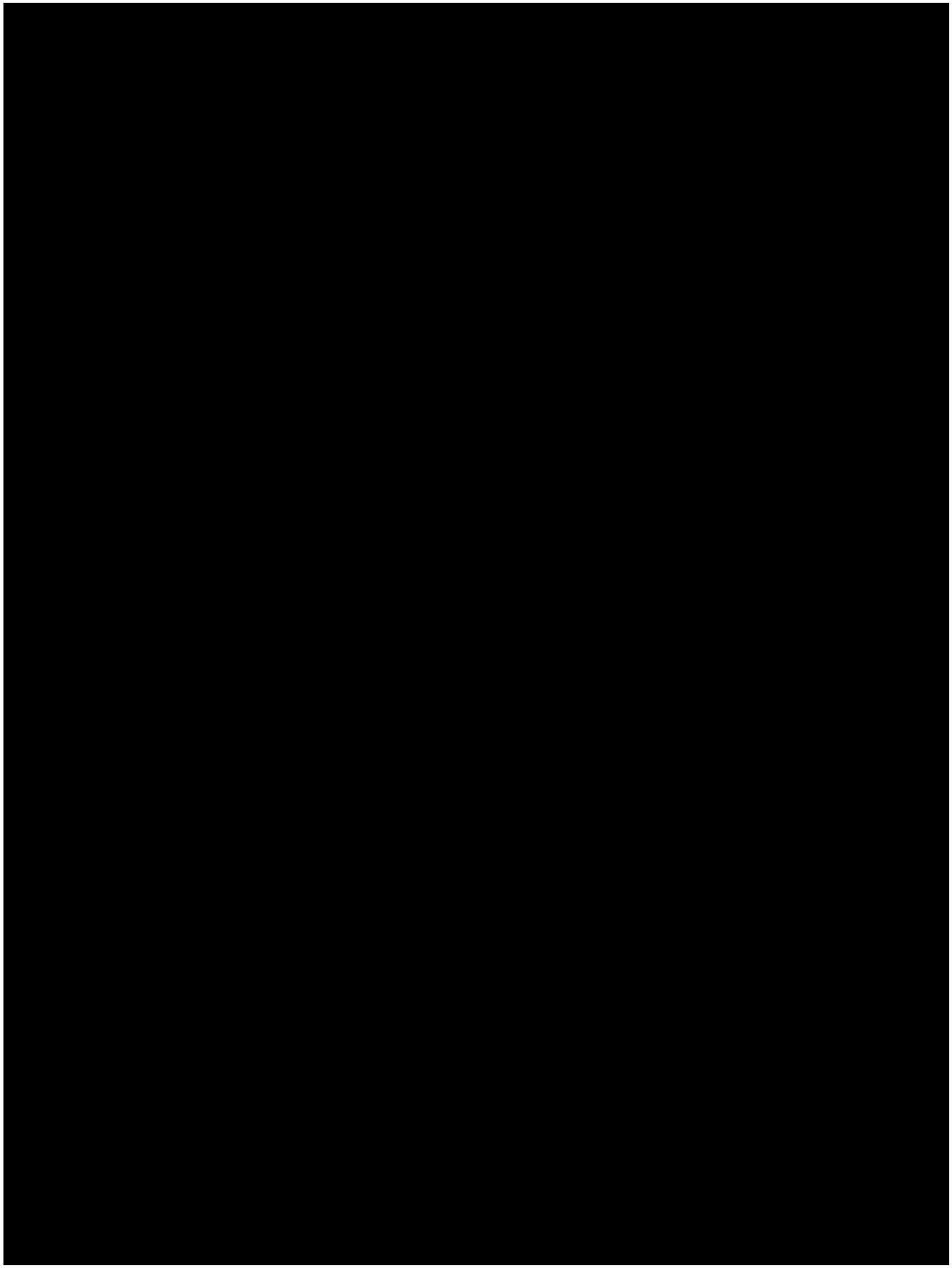


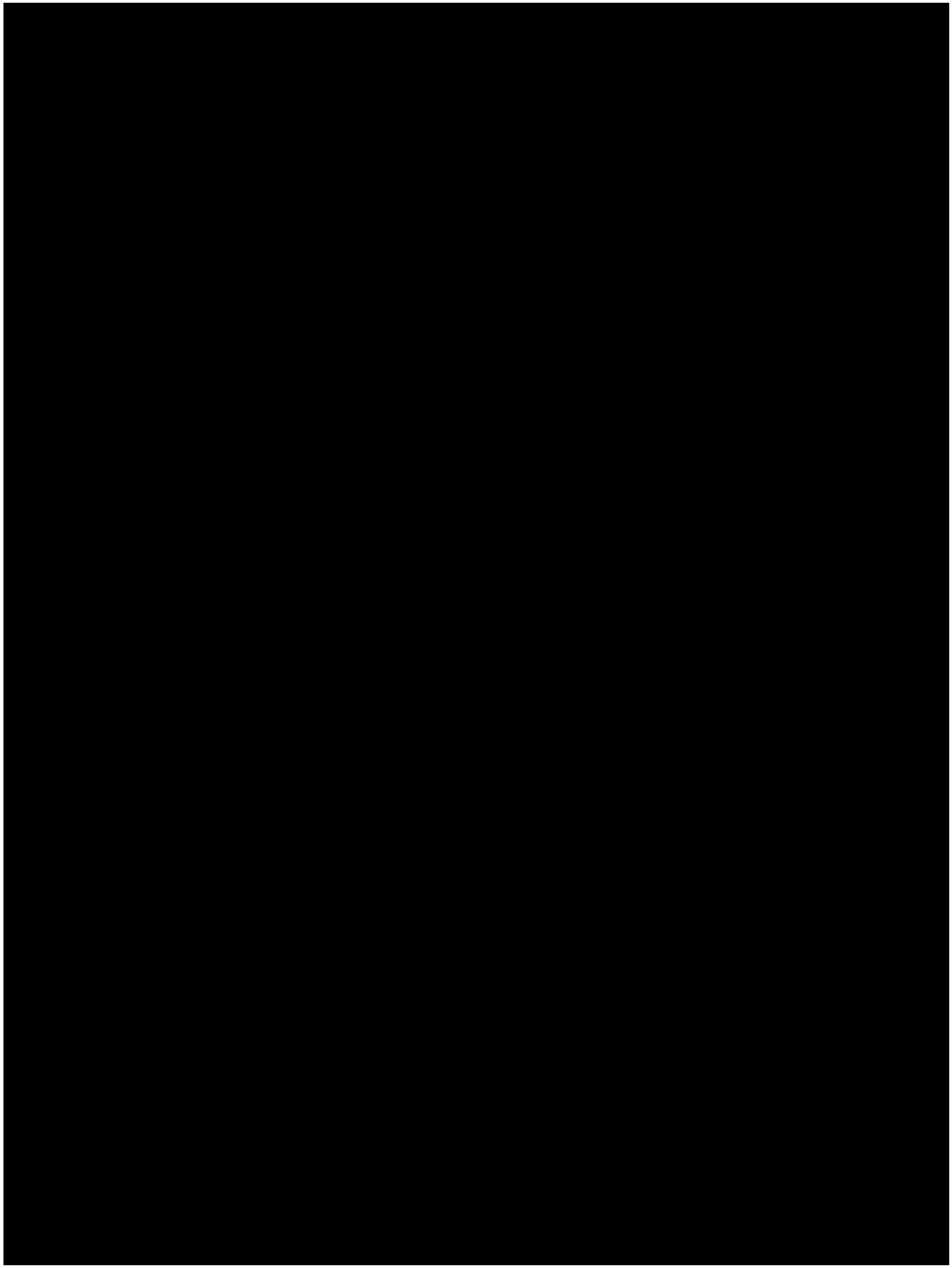


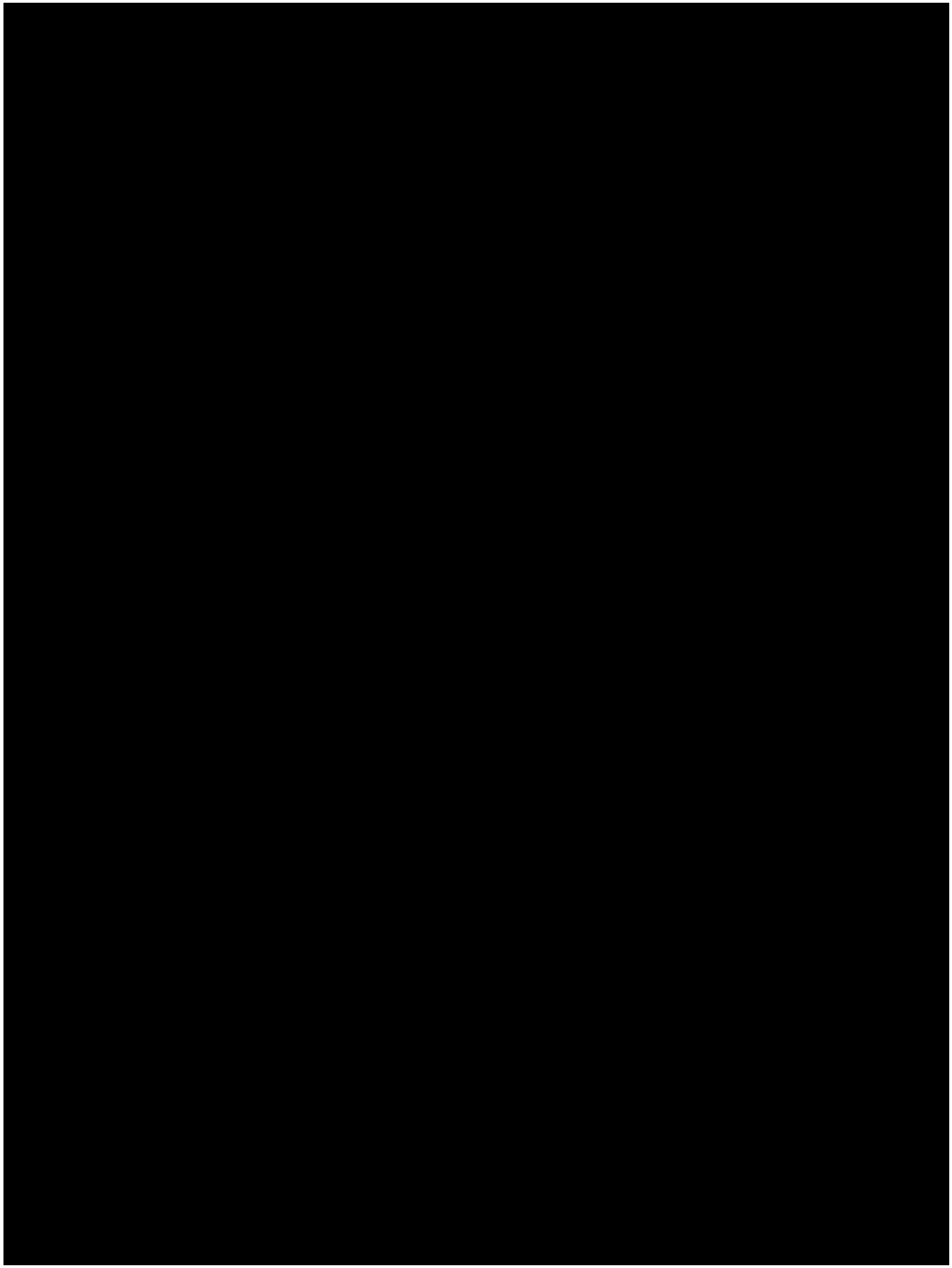


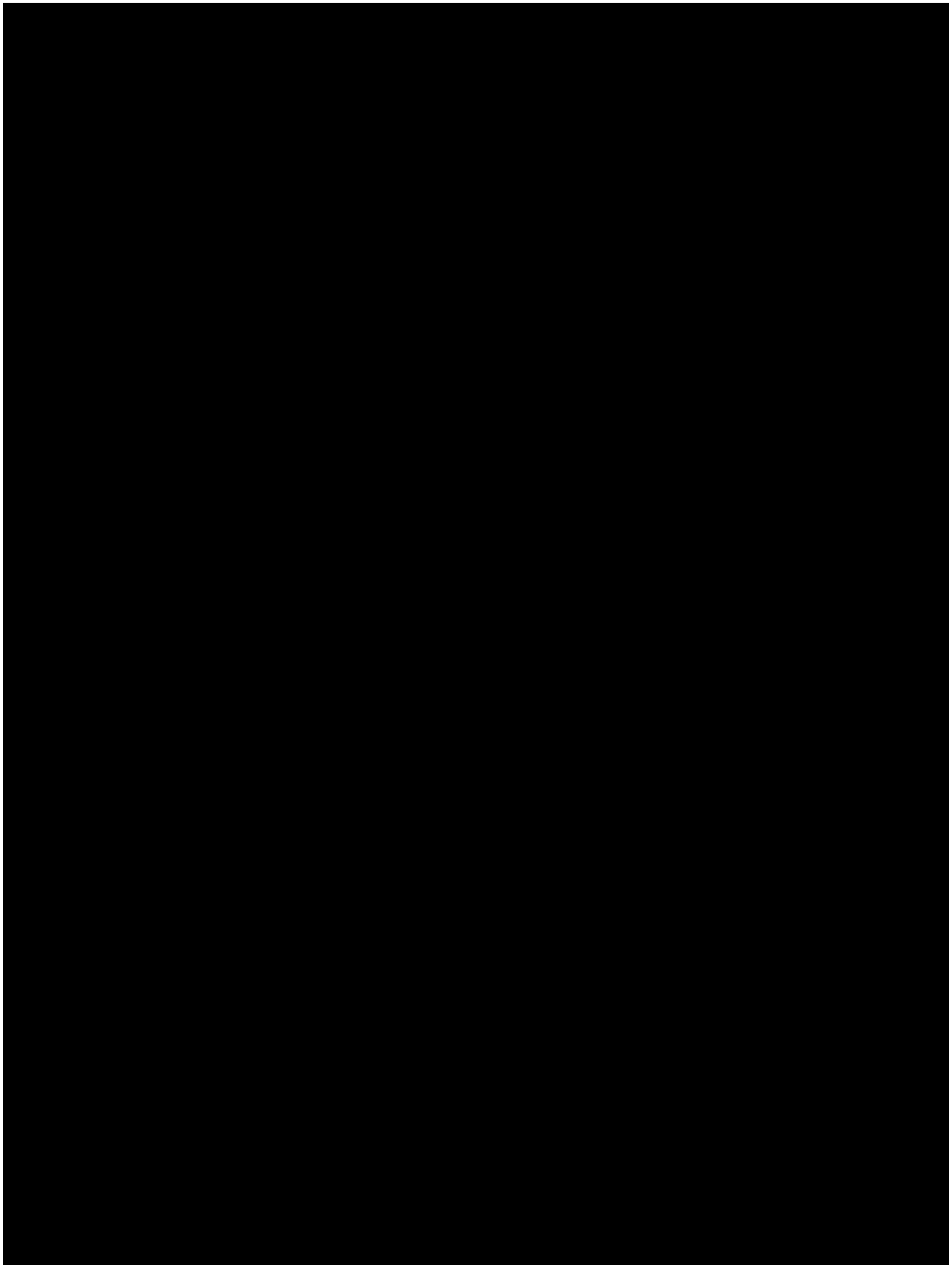


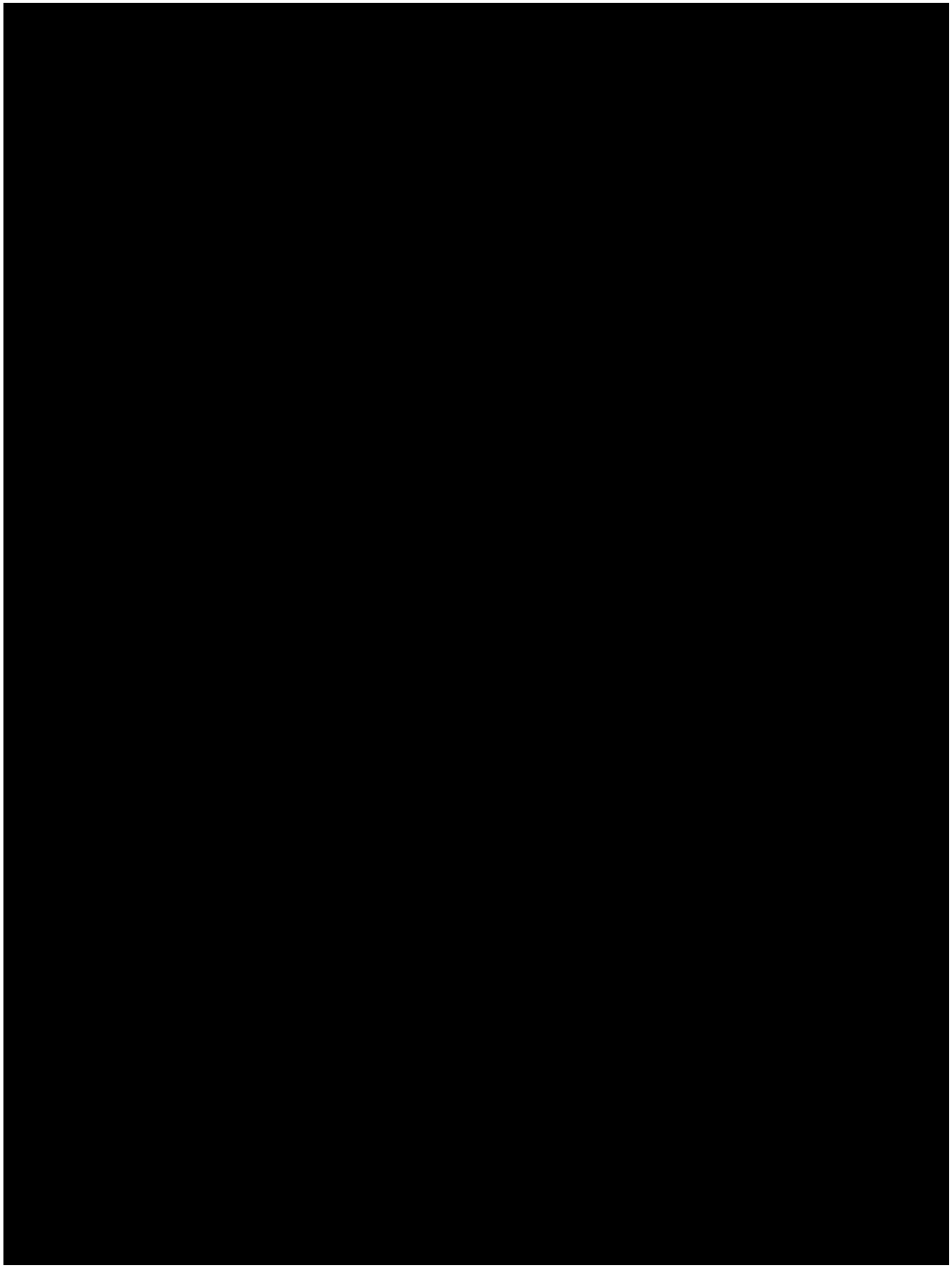












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ARC-AGI Resources: Repos

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Date Added	Repository	Summary	Stars	# Commits
6/11/2024	/mxgmn/WaveFunctionCollapse	This repository contains an algorithm called Wave Function Collapse that generates bitmaps or tilemaps that are locally similar to an input image or tileset, satisfying specific constraints.	22721	149
6/11/2024	/mxgmn/MarkovJunior	MarkovJunior is a probabilistic programming language where programs are combinations of rewrite rules and inference is performed via constraint propagation.	6780	29
6/11/2024	/fchollet/ARC	The Abstraction and Reasoning Corpus (ARC) is a dataset containing tasks designed to evaluate general artificial intelligence and human-like reasoning abilities.	2171	87
6/11/2024	/mxbi/arckit	Arckit is a Python package that provides tools for easily working with the Abstraction & Reasoning Corpus (ARC) dataset, including loading the data, visualizing tasks with high-quality vector graphics, and evaluating models on the dataset.	63	7
6/11/2024	/volotat/ARC-Game	The ARC Game is a web interface that turns François Chollet's Abstraction and Reasoning Corpus into an interactive game aimed at children as young as three years old, allowing them to solve visual tasks by identifying patterns and transformations between pairs of grids.	63	63
6/11/2024	/samacqua/LARC	The LARC repository contains a dataset of natural language descriptions that capture solutions to abstract reasoning tasks, allowing language-guided program synthesis and enabling the study of communicating natural programs between humans and machines.	59	94
6/11/2024	/michaelhodel/re-arc	This repository presents code to procedurally generate examples for the ARC training tasks, providing an example generator for each of the 400 tasks along with verified generated examples, difficulty metrics, and task-level metadata.	22	12
6/11/2024	/michaelhodel/arc-dsl	This repository contains a Domain Specific Language (DSL) designed for solving tasks from the Abstraction and Reasoning Corpus (ARC), along with example solver programs written in the DSL.	22	72
6/11/2024	/loda-lang/loda-rust	LODA-RUST is a Rust implementation of the LODA language that allows running LODA programs in the browser through a web editor, as well as providing a command-line interface for evaluating programs, identifying patterns, and experimental mining on various platforms.	22	5875
6/11/2024	/SimonOuellette35/ARC_gym	The ARC gym is a data generation framework that focuses on the problems of compositional generalization and efficient search, which are sub-problems of the Abstraction & Reasoning Corpus (ARC) challenge.	12	52
6/11/2024	/tanchongmin/ARC-Challenge	This repository contains a series of Jupyter notebooks that document the progress made in getting GPT-4 to solve the Abstraction and Reasoning Corpus (ARC) Challenge, which involves solving visual reasoning problems by identifying the underlying patterns and relationships between input and output grids.	12	76
6/11/2024	/neoneye/arc-notes	This repository contains experiments related to the Abstraction and Reasoning Corpus (ARC), which is focused on developing systems that can learn abstract reasoning tasks.	11	81
6/11/2024	/dbigham/ARC	This repository contains an Abstraction and Reasoning Corpus (ARC) which is a dataset of tasks designed to evaluate a system's ability to learn abstract reasoning from examples.	11	190
6/11/2024	/ConfeitoHS/arcle	ARCLE is a reinforcement learning environment for training on the Abstraction and Reasoning Corpus (ARC) dataset, providing various grid editing actions and interfaces inspired by human ARC solving tools.	9	65
6/11/2024	/ConfeitoHS/arcle	ARCLE is a RL environment for training Abstraction and Reasoning Corpus and ARC-like datasets, built on Farama Gymnasium.	9	65
6/11/2024	/neoneye/ARC-Interactive	ARC-Interactive is a browser-based tool that brings the fascinating puzzle-solving challenges from the Abstraction and Reasoning Corpus (ARC) dataset to life, allowing you to explore and solve these puzzles without requiring a backend.	7	548
6/11/2024	/sebferre/ARC-MDL	This repository contains an approach to the Abstraction and Reasoning Corpus (ARC) challenge based on descriptive grid models and the Minimum Description Length (MDL) principle, which aims to solve ARC tasks by finding models that compress the grids the most while providing intelligible explanations.	7	429
6/11/2024	/khalil-research/LLM4ARC	This repository hosts experimental results comparing the performance of large language models like GPT-3 and GPT-4 on abstract reasoning tasks, including a subset of the Abstraction and Reasoning Corpus (ARC) and newly generated 1D-ARC tasks.	7	8
6/11/2024	/neoneye/arc-dataset-collection	This repository contains multiple datasets for the Abstraction and Reasoning Corpus (ARC), with each dataset having its own license detailed in the respective readme or license file.	5	24
6/11/2024	/alxndrTL/ARC_LLMs	This repository tracks the progress of large language models (LLMs) on solving tasks from the Abstraction and Reasoning Corpus (ARC), providing code, results, and analysis on how well different LLMs perform on these abstract reasoning challenges.	4	33
6/11/2024	/musa-atlihan/AbductiveReasonerARC	This repository contains an attempt to solve the Abstraction and Reasoning Corpus (ARC) tasks using machine reasoning techniques, specifically an abductive reasoner approach.	4	8
6/11/2024	/robertlizee/arc-solver	This repository contains an implementation of the Symbolic Inner Core Hypothesis for Artificial General Intelligence (AGI), which can be run locally on Linux or Windows with WSL.	2	20
6/11/2024	/shawnpat/ARCSolver	This repository contains an attempt to fine-tune the Mistral-7B-Instruct large language model to solve the Abstract Reasoning Corpus (ARC) challenge proposed by François Chollet.	2	28
6/11/2024	/ananyasheth/ARC	This repository contains the ARC task data, as well as a browser-based interface for humans to try their hand at solving the tasks manually.	2	207
6/11/2024	/MehranKazeminia/ARC-Solver10	This repository contains a method called "Solver 10" that aims to solve the Abstraction and Reasoning Challenge (ARC) by combining hundreds of solvers with a machine learning algorithm to find the best solver for each task.	1	16
6/11/2024	/MichaelPascale/human-arc	This repository contains data processing scripts for the Human Task Adaptation of the Abstraction and Reasoning Corpus, which is related to the Kaggle Abstraction and Reasoning Challenge.	1	8
6/11/2024	/sebferre/ARC-MDL-strings	This repository contains an approach to solve abstraction and reasoning tasks on strings using Minimum Description Length (MDL) based machine learning, inspired by the Abstraction and Reasoning Corpus (ARC) for grids.	0	91

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6/11/2024	/khalil-research/ARGA-AAAI23	This repository contains the implementation for ARGA as described in the AAAI-23 paper Graphs, Constraints, and Search for the Abstraction and Reasoning Corpus. Some code were edited for formalism, which caused some small variations in the results as presented in the paper.	25	4
6/11/2024	/khalil-research/1D-ARC	This repository hosts the 1D-ARC dataset as introduced in the paper: LLMs and the Abstraction and Reasoning Corpus: Successes, Failures, and the Importance of Object-based Representations.	12	5

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Date Added	Repository	Summary	Stars	# Commits

ARC-AGI Resources: Papers

ARCPrize.org

Date Added	Title	Addl.	Date	Authors
9/3/2024	Enhancing Analogical Reasoning in the Abstraction and Reasoning Corpus via Model-Based RL		2024-08	Jihwan Lee, Woochang Sim, Sejin Kim, Sundong Kim
9/3/2024	Relational Decomposition for Program Synthesis		2024-08	Céline Hocquette, Andrew Cropper
9/3/2024	Automated Design of Agentic Systems		2024-08	Shengran Hu, Cong Lu, Jeff Clune
9/3/2024	Intelligence Analysis of Language Models		2024-07	Liane Galanti, Ethan Baron
9/3/2024	Show, Don't Tell: Evaluating Large Language Models Beyond Textual Understanding with ChildPlay		2024-07	Gonçalo Hora de Carvalho, Oscar Knap, Robert Pollice
9/3/2024	Learning to (Learn at Test Time): RNNs with Expressive Hidden States		2024-07	Yu Sun, Xinhao Li, Karan Dalal, Jiarui Xu, Arjun Vikram
7/5/2024	ARCLE: The Abstraction and Reasoning Corpus Learning Environment for Reinforcement Learning		2024-07	Hosung Lee, Sejin Kim, Seungpil Lee, Sanha Hwang, Jihwa
9/3/2024	Hypothesis Search: Inductive Reasoning with Language Models		2024-05	Ruocheng Wang, Eric Zelikman, Gabriel Poesia, Yewen Pu,
9/3/2024	Diffusion On Syntax Trees For Program Synthesis		2024-05	Shreyas Kapur, Erik Jenner, Stuart Russell
9/3/2024	HYSYNTH: Context-Free LLM Approximation for Guiding Program Synthesis		2024-05	Shraddha Barke, Emmanuel Anaya Gonzalez, Saketh Ram Kas
6/11/2024	Do Large Language Models Solve ARC Visual Analogies Like People Do?		2024-05	Gustaw Opiełka, Hannes Rosenbusch, Veerle Vijverberg, C
6/11/2024	Program Synthesis using Inductive Logic Programming for the Abstraction and Reasoning Corpus		2024-05	Filipe Marinho Rocha, Inês Dutra, Vítor Santos Costa
6/11/2024	Addressing the Abstraction and Reasoning Corpus via Procedural Example Generation		2024-04	Michael Hodel
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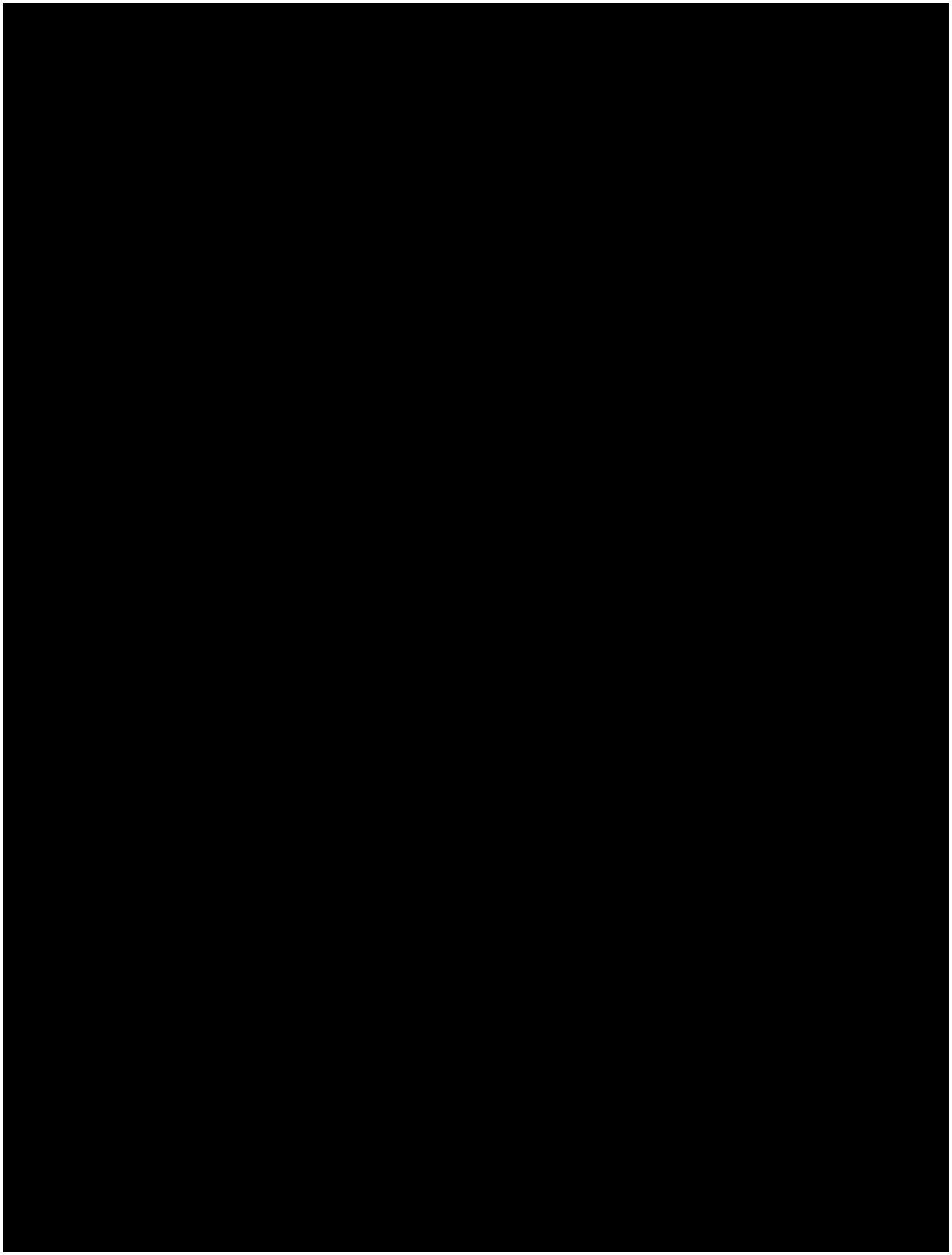

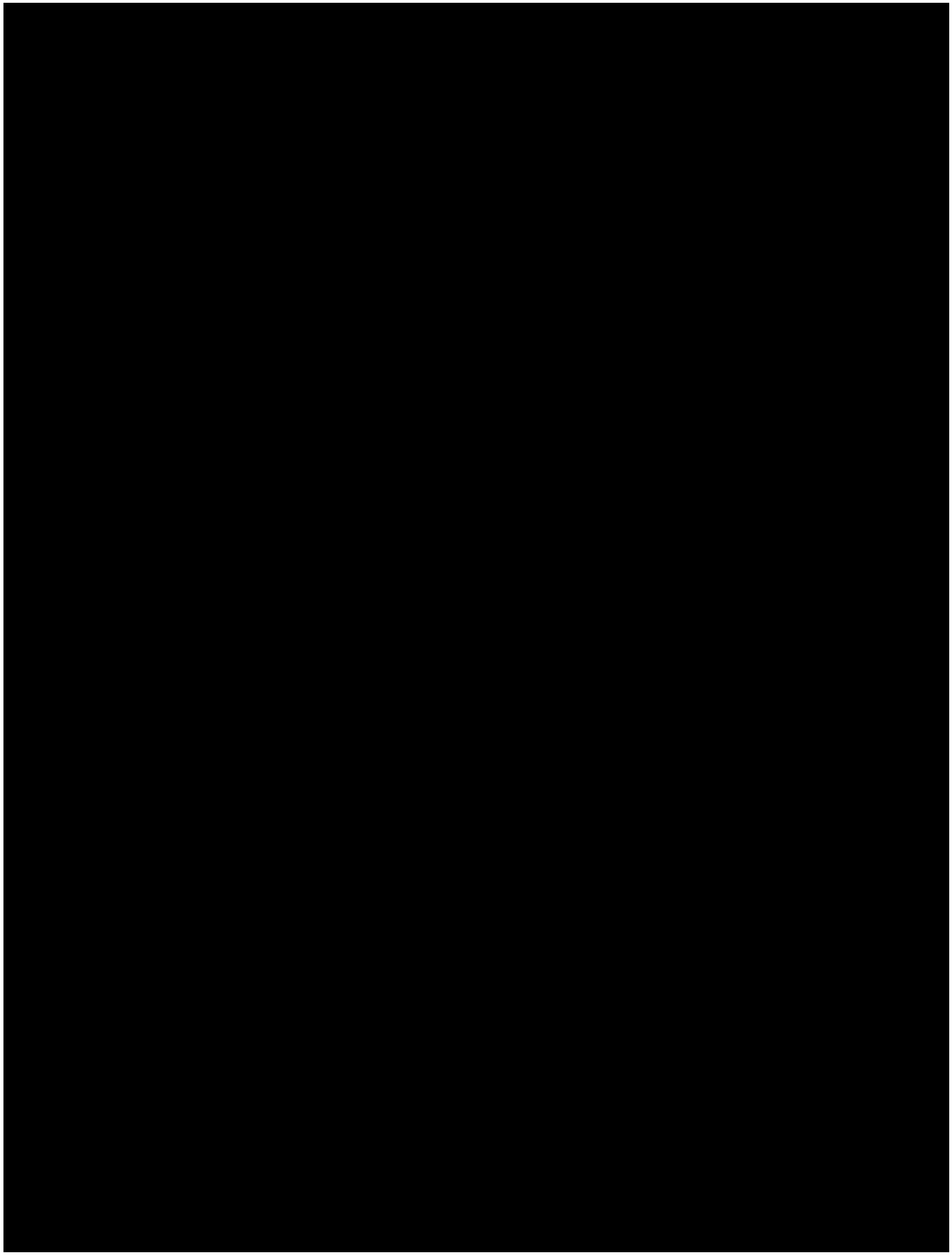

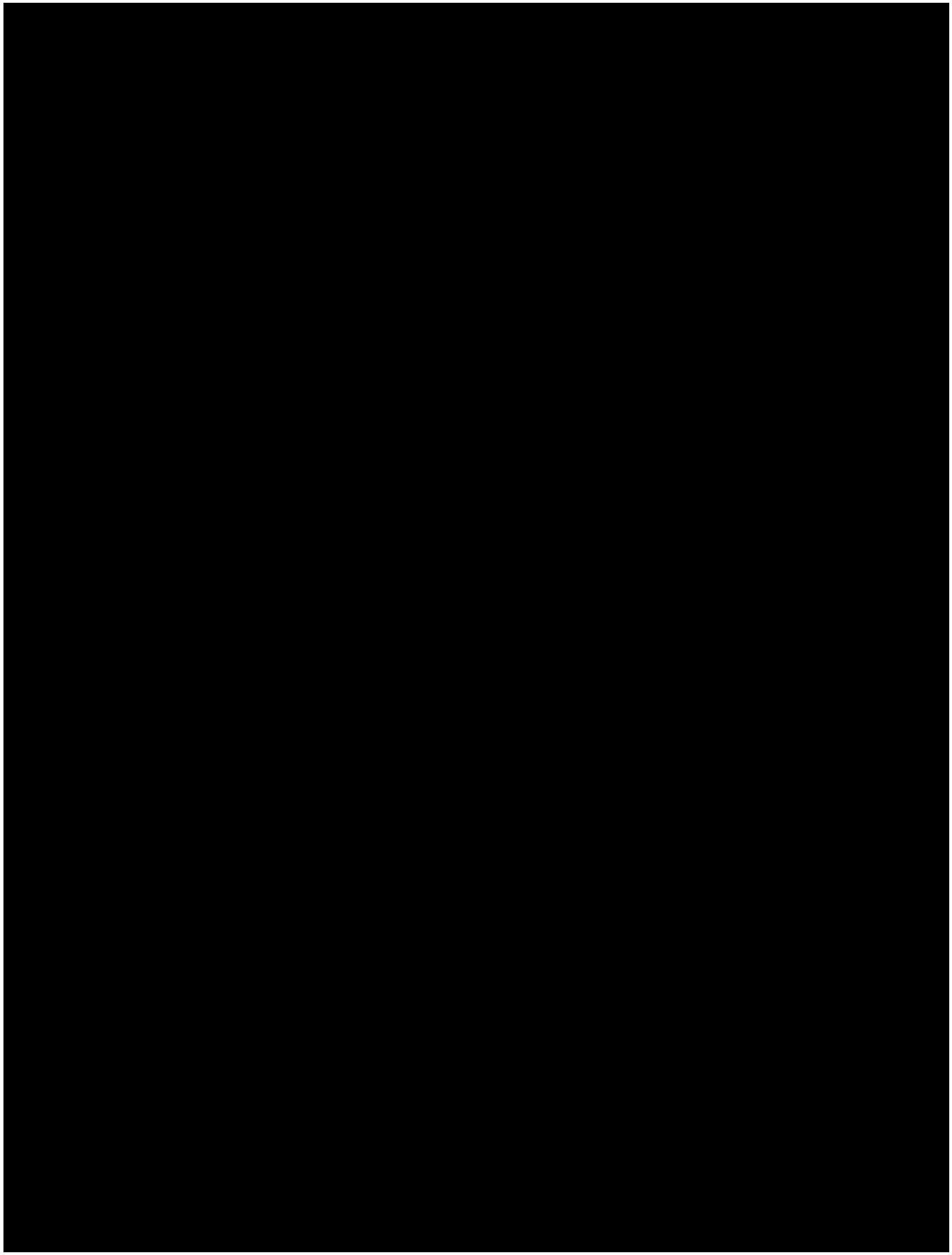

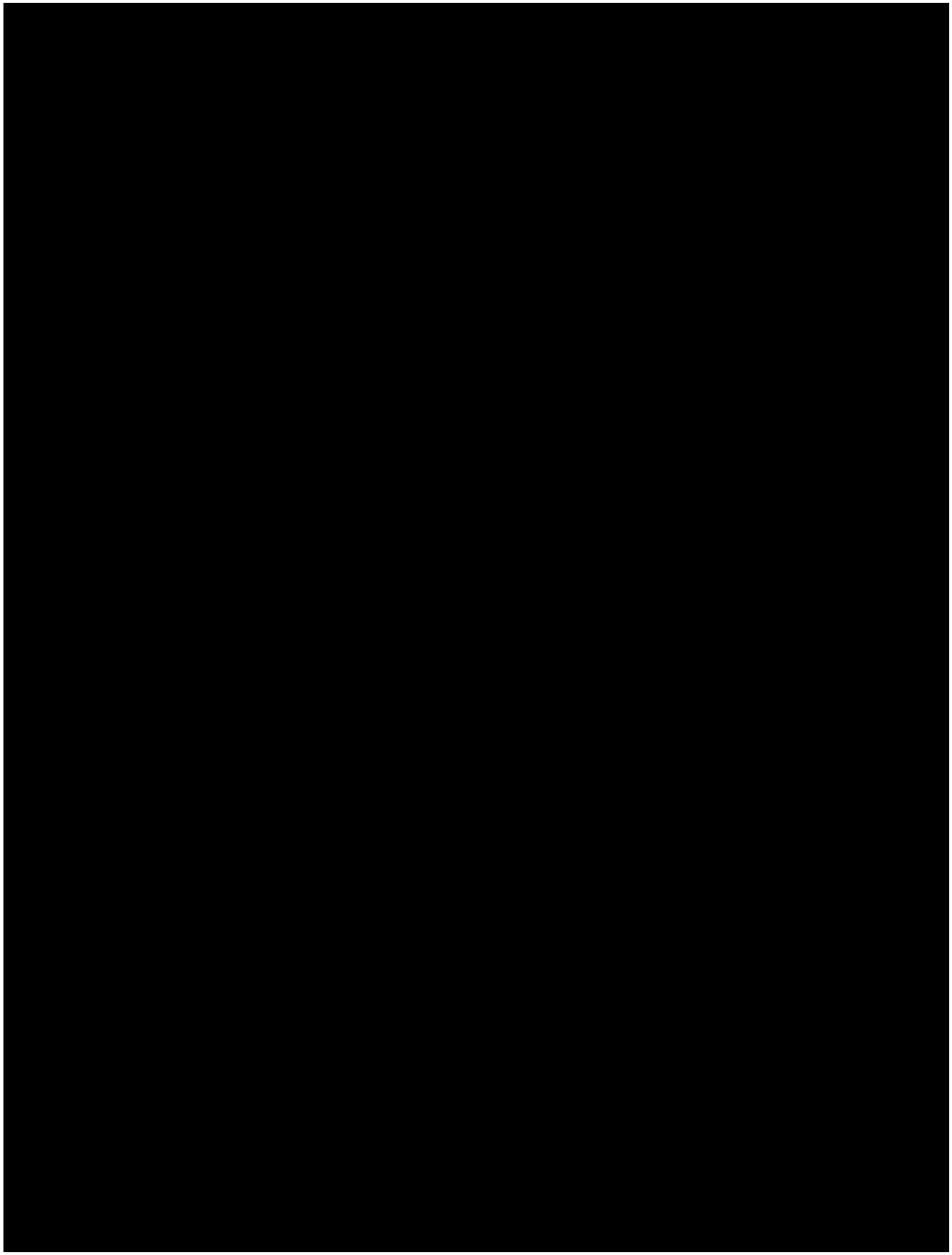

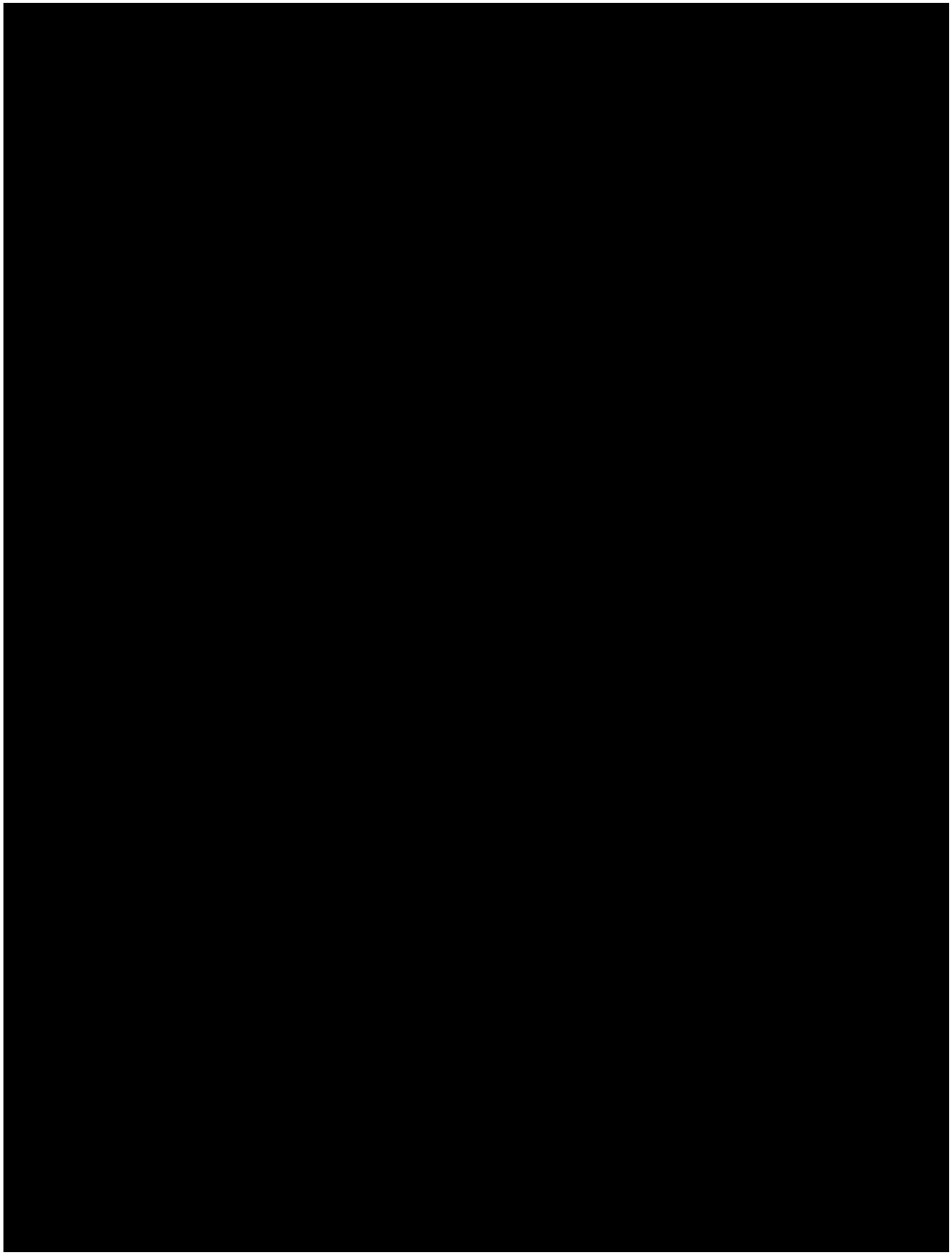

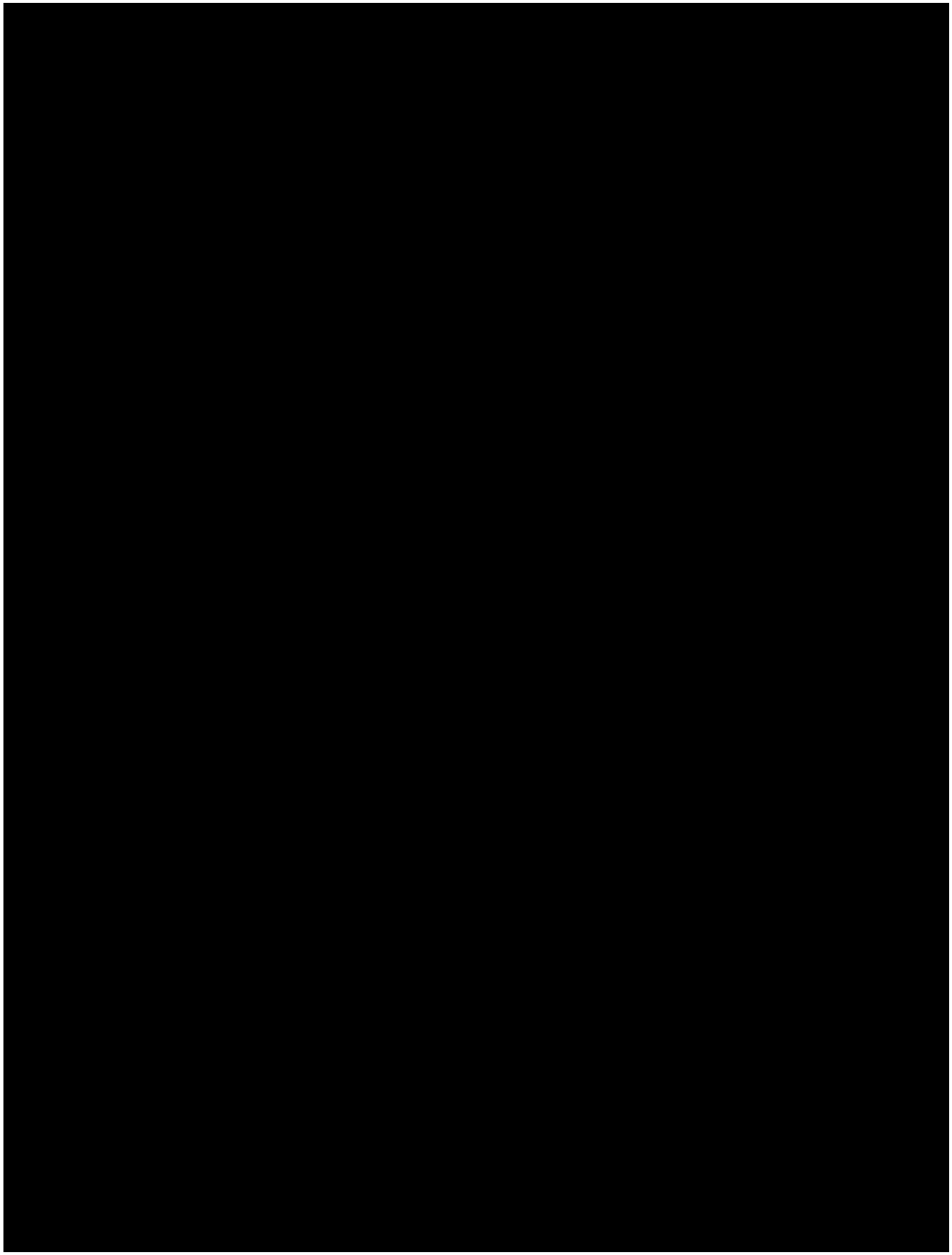

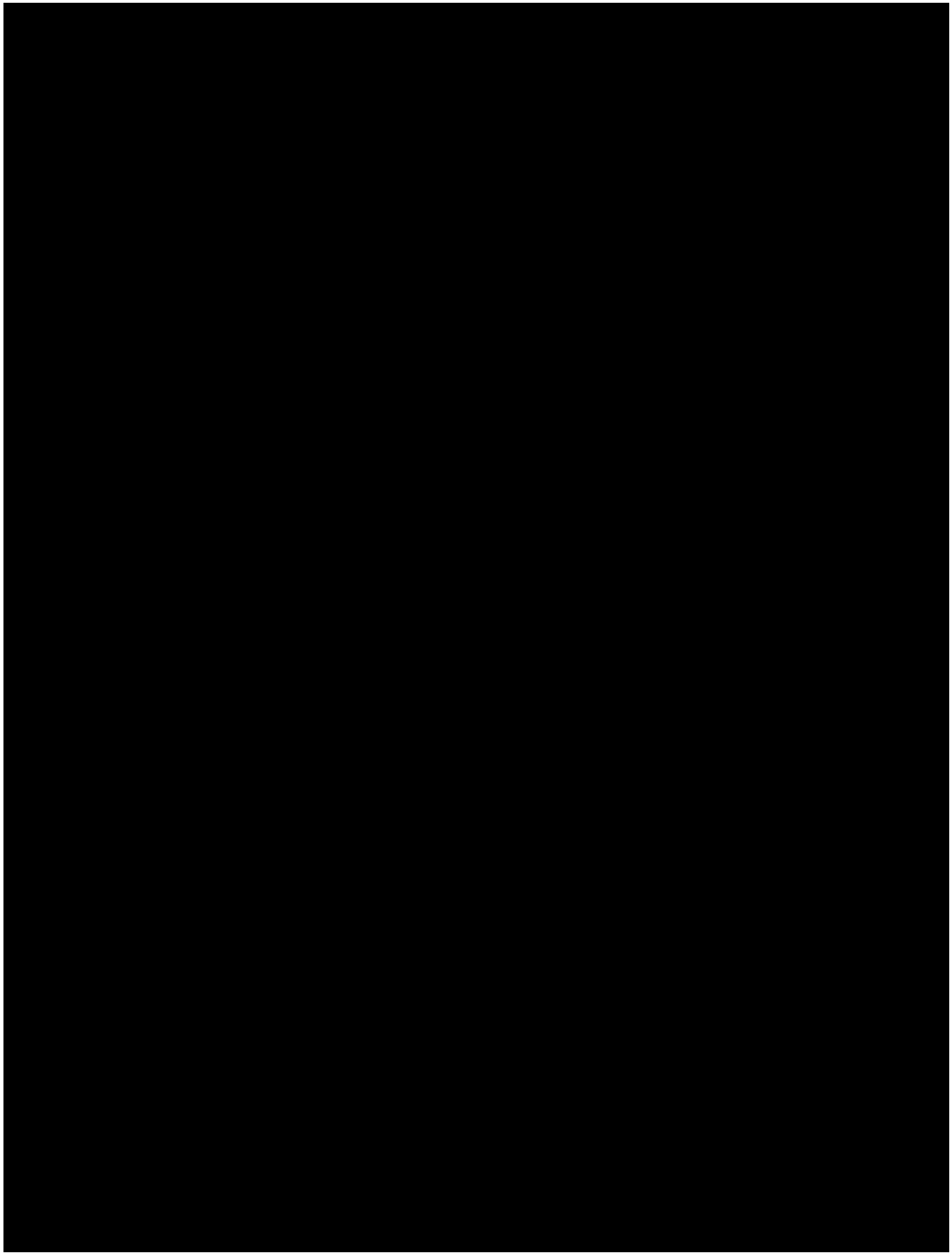

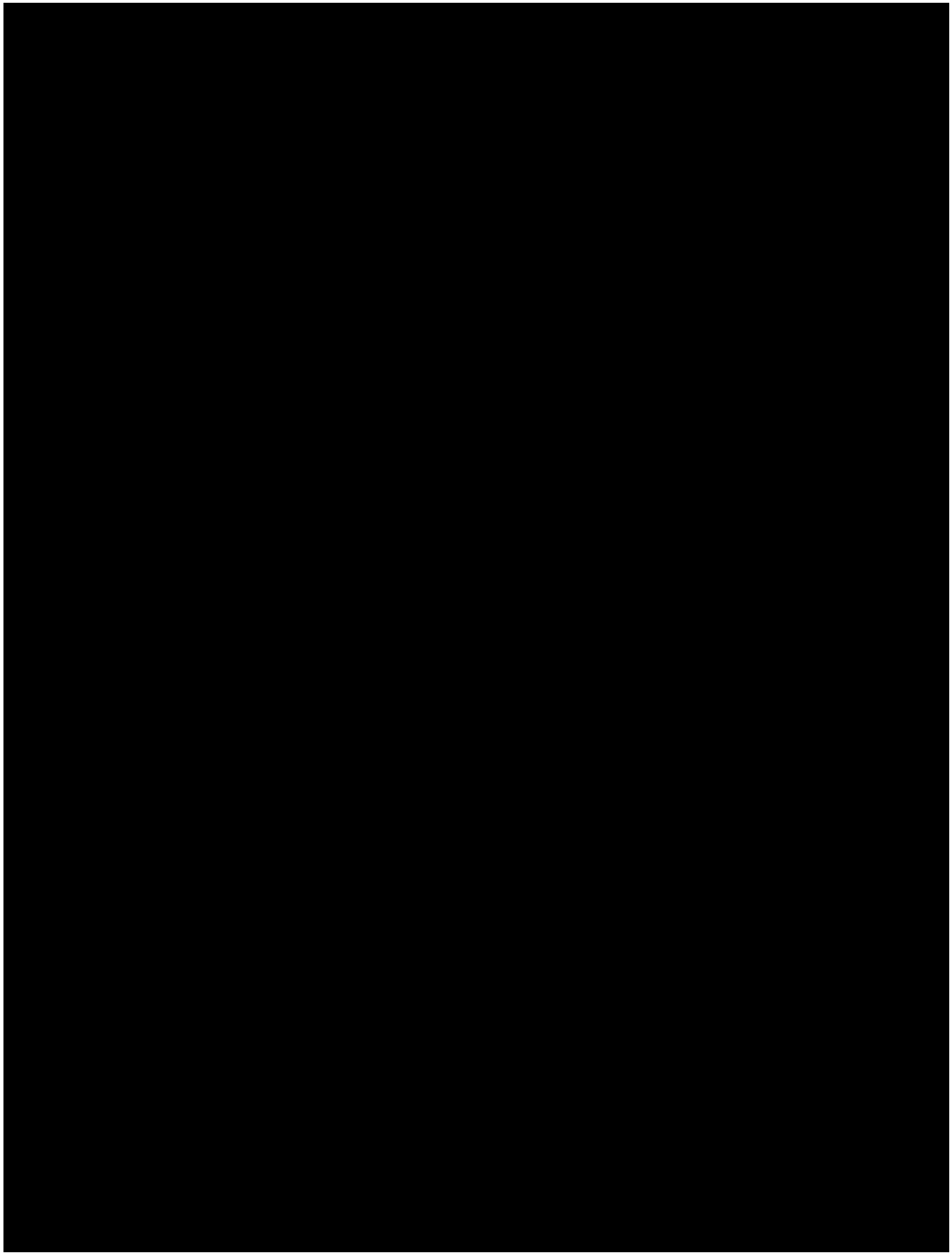

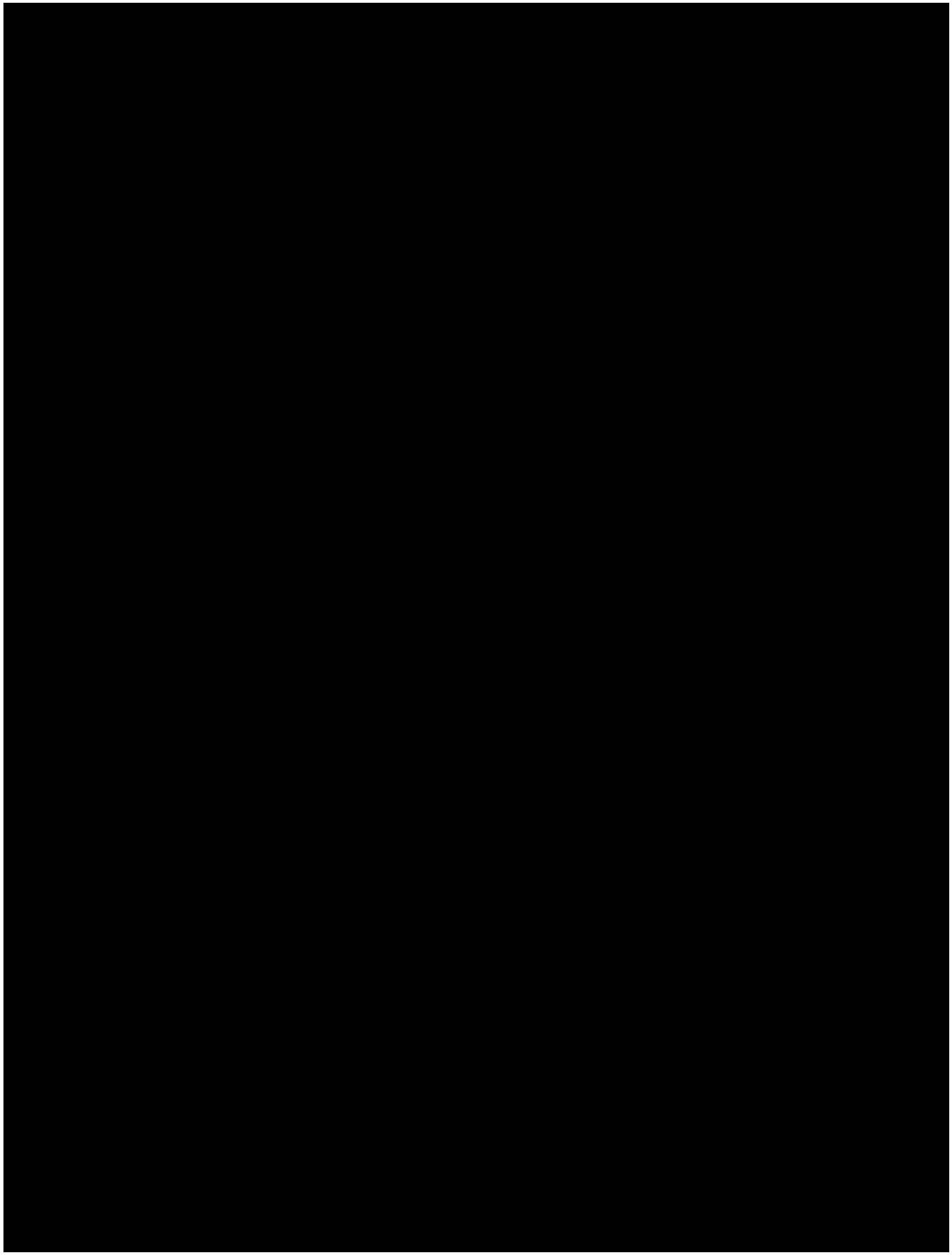

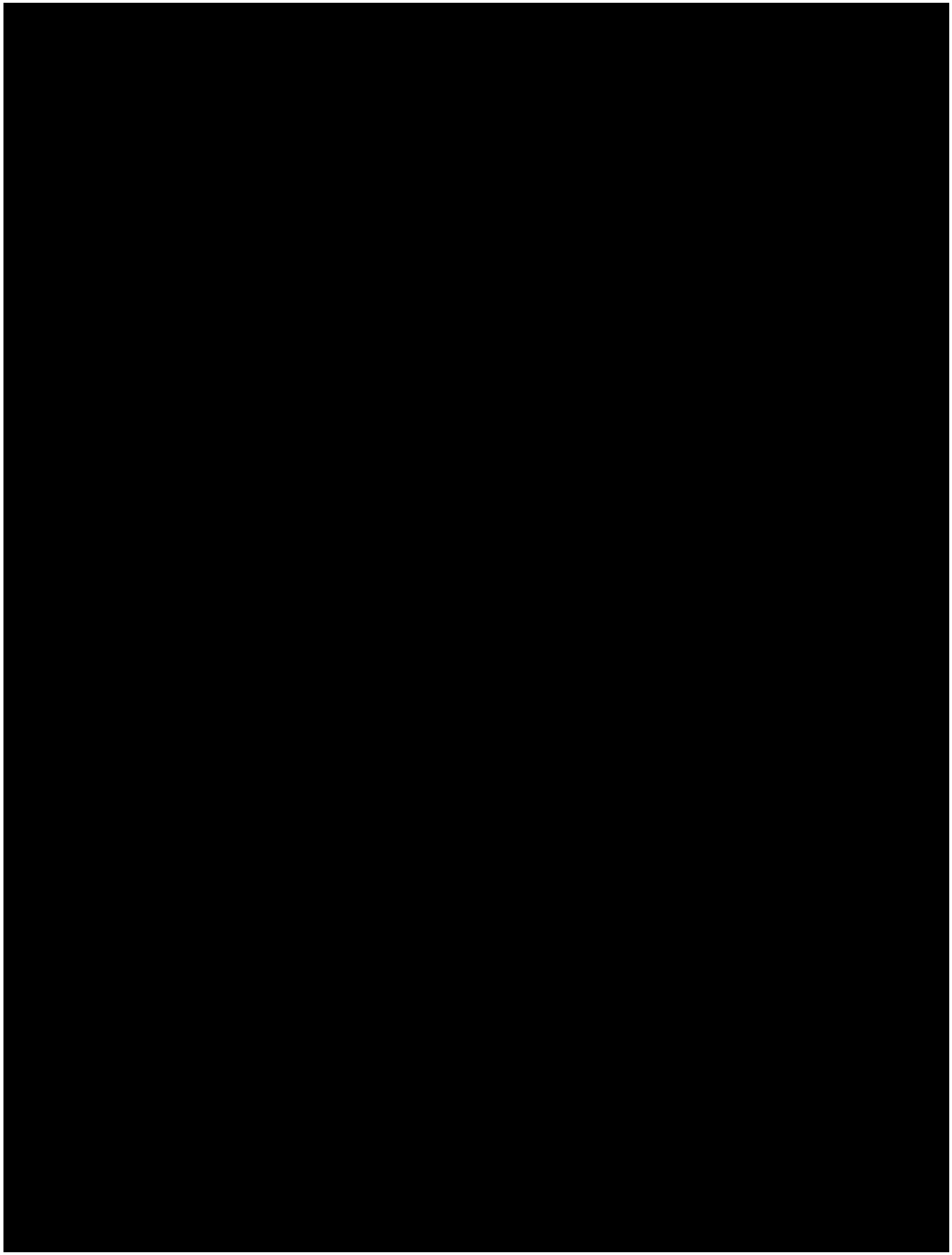

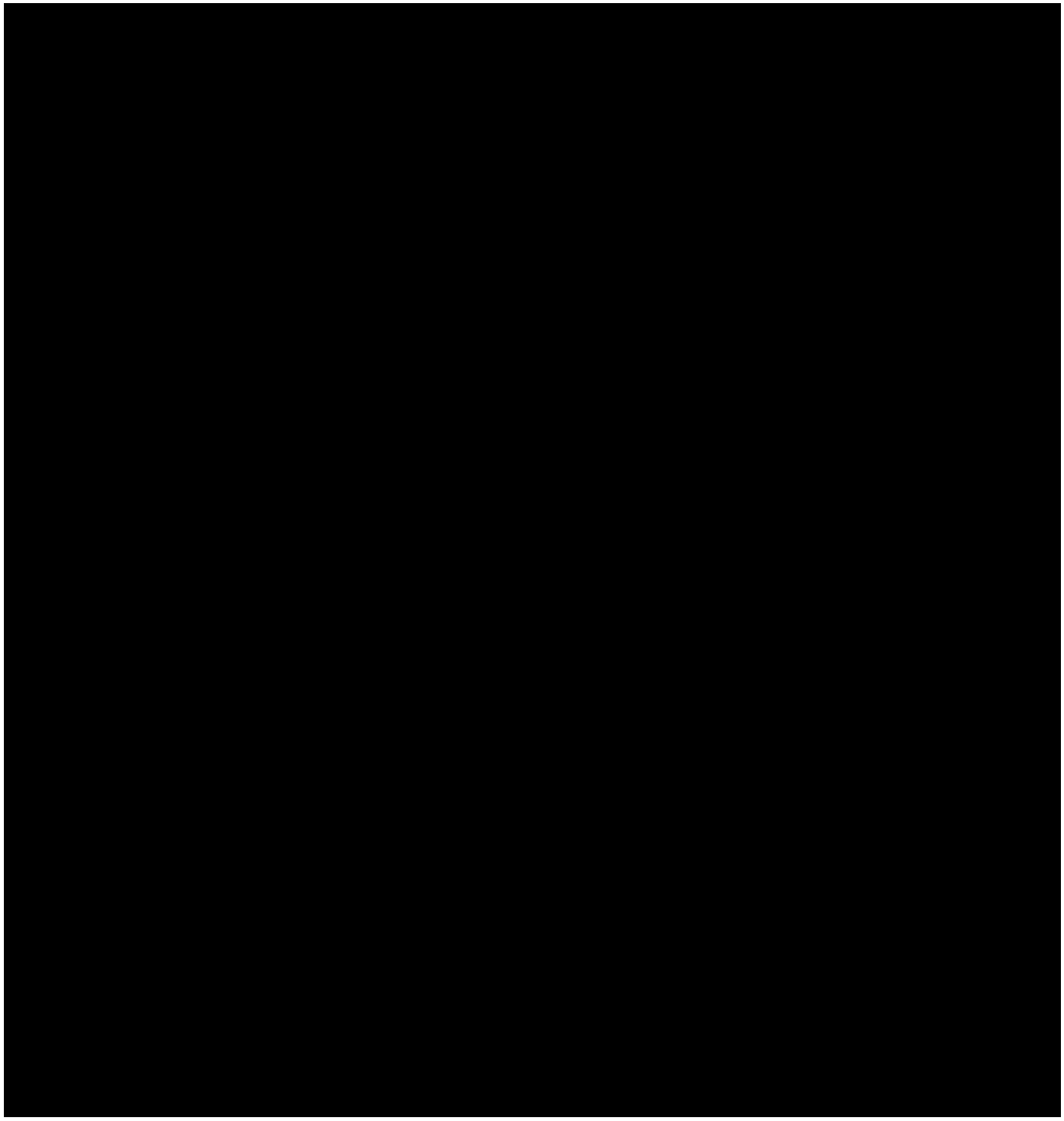

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2024-06-11	Test-Time Augmentation to solve ARC	2024-04-16	Interview
2024-06-11	O2ARC 3.0: A Platform for Solving and Creating ARC Tasks	2024-04-01	Game
2024-06-11	AI Abstraction	2023-11-28	Blog Post
2024-06-11	The Search for Compositional Generalization	2023-10-19	Research Post
2024-06-11	Dataset-Induced Meta-Learning (and other tricks): Improving model efficiency on AR	2023-10-09	Research Post
2024-06-11	ARC: Where do we stand today?	2023-07-07	Blog Post
2024-06-11	DARC: A Recursive Decomposition Dataset of ARC Tasks	2023-05-31	Game
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2024-06-11	ARC Game	2022-07-05	Game
2024-06-11	IQ test for AI: The ARC Challenge	2021-01-27	Blog Post
2024-06-11	Neural Abstract Reasoner	2021-01-01	Posting
2024-06-11	Finishing 2nd in Kaggle’s Abstraction and Reasoning Challenge	2020-10-14	Blog Post
2024-06-11	A Commentary on the Abstraction and Reasoning Challenge – Kaggle Competition	2020-08-16	Blog Post
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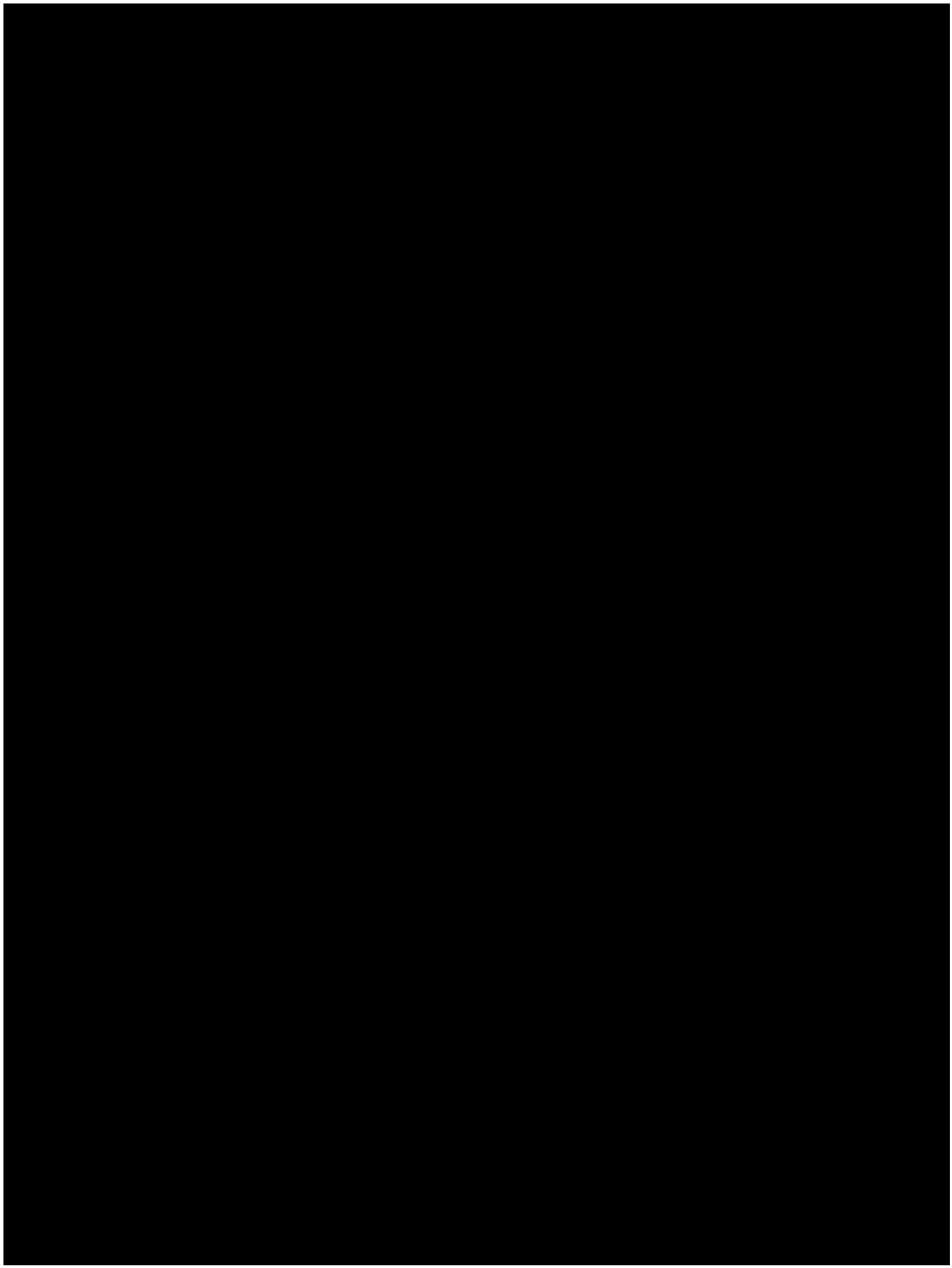
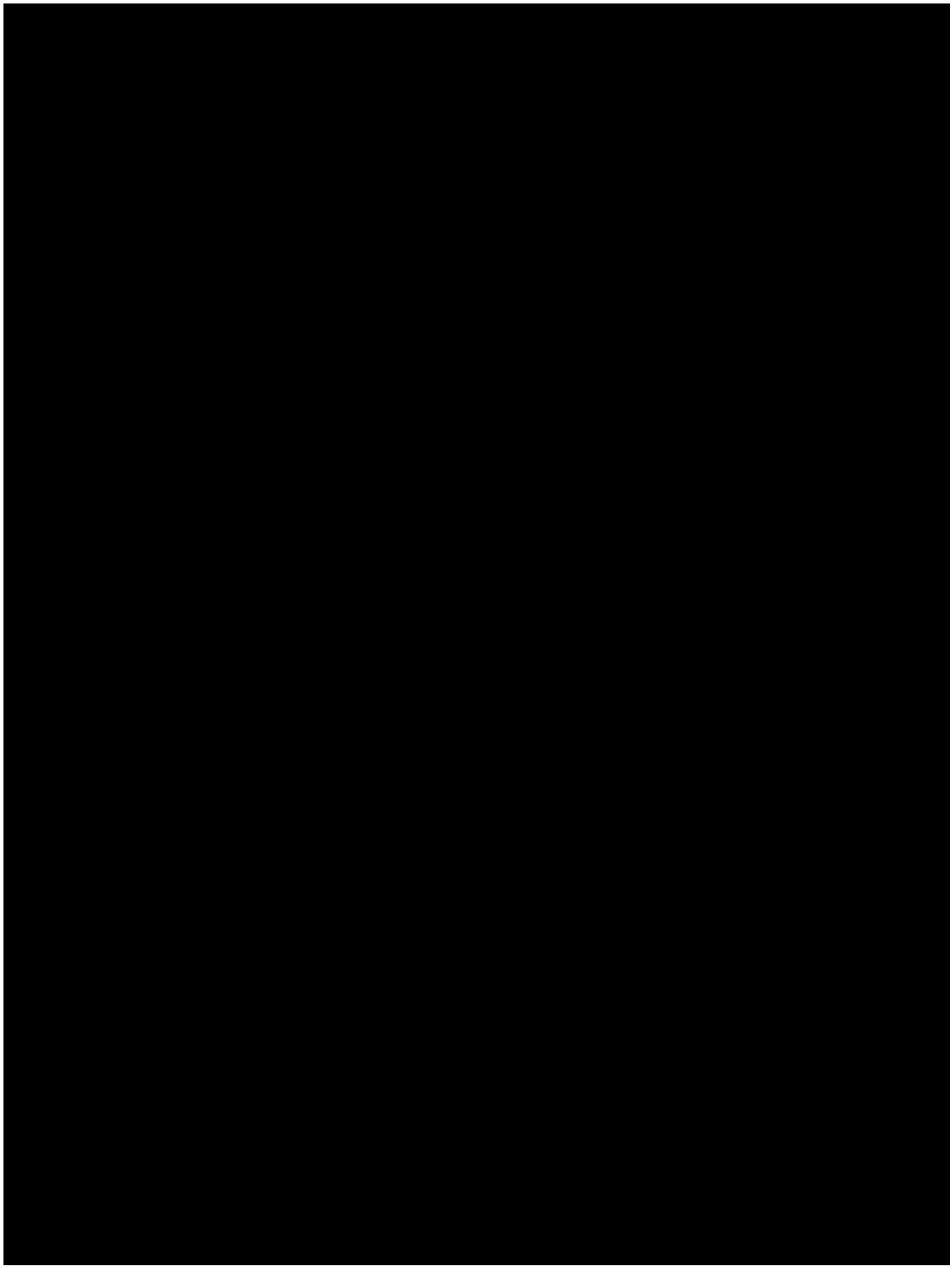
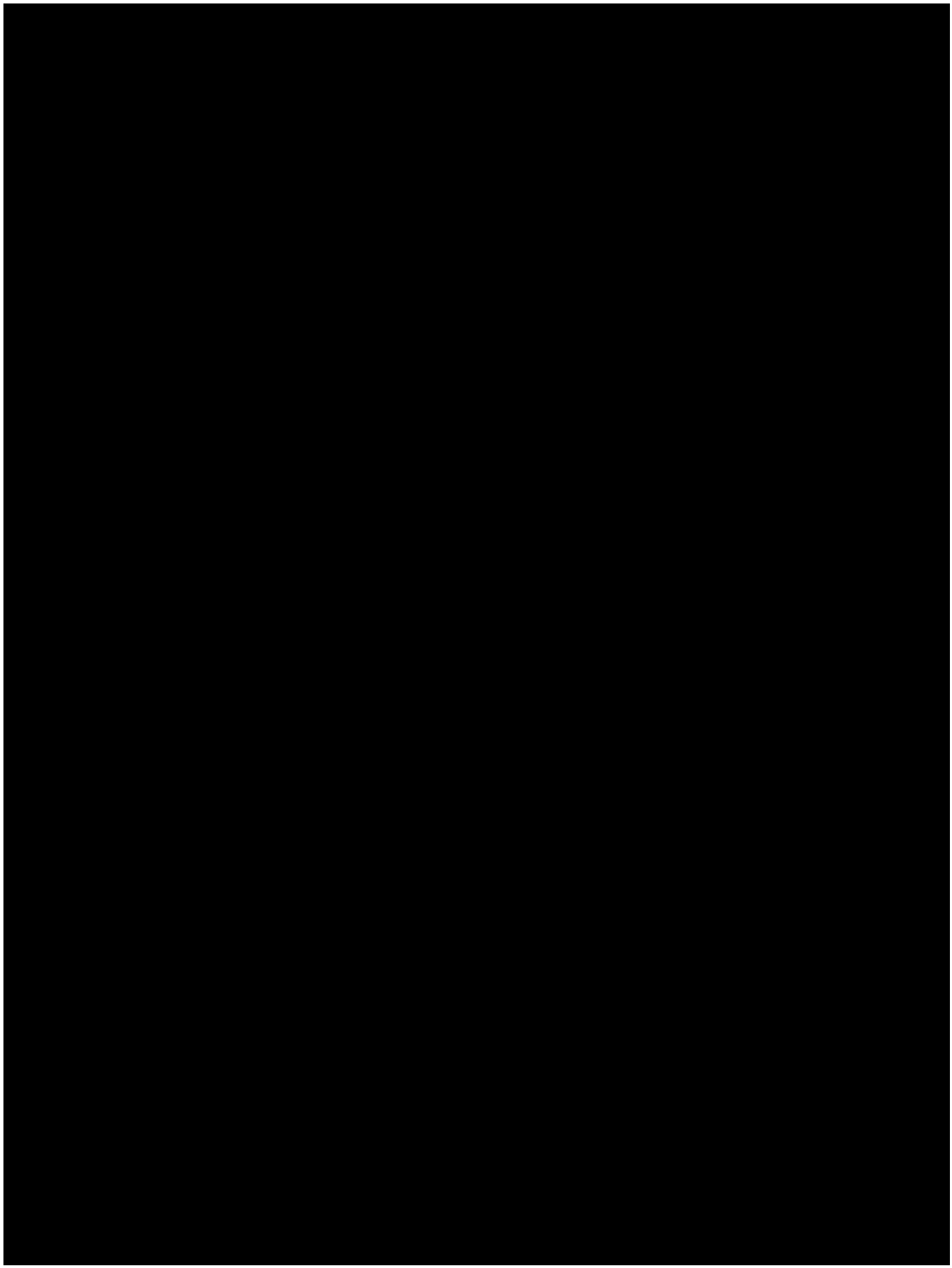
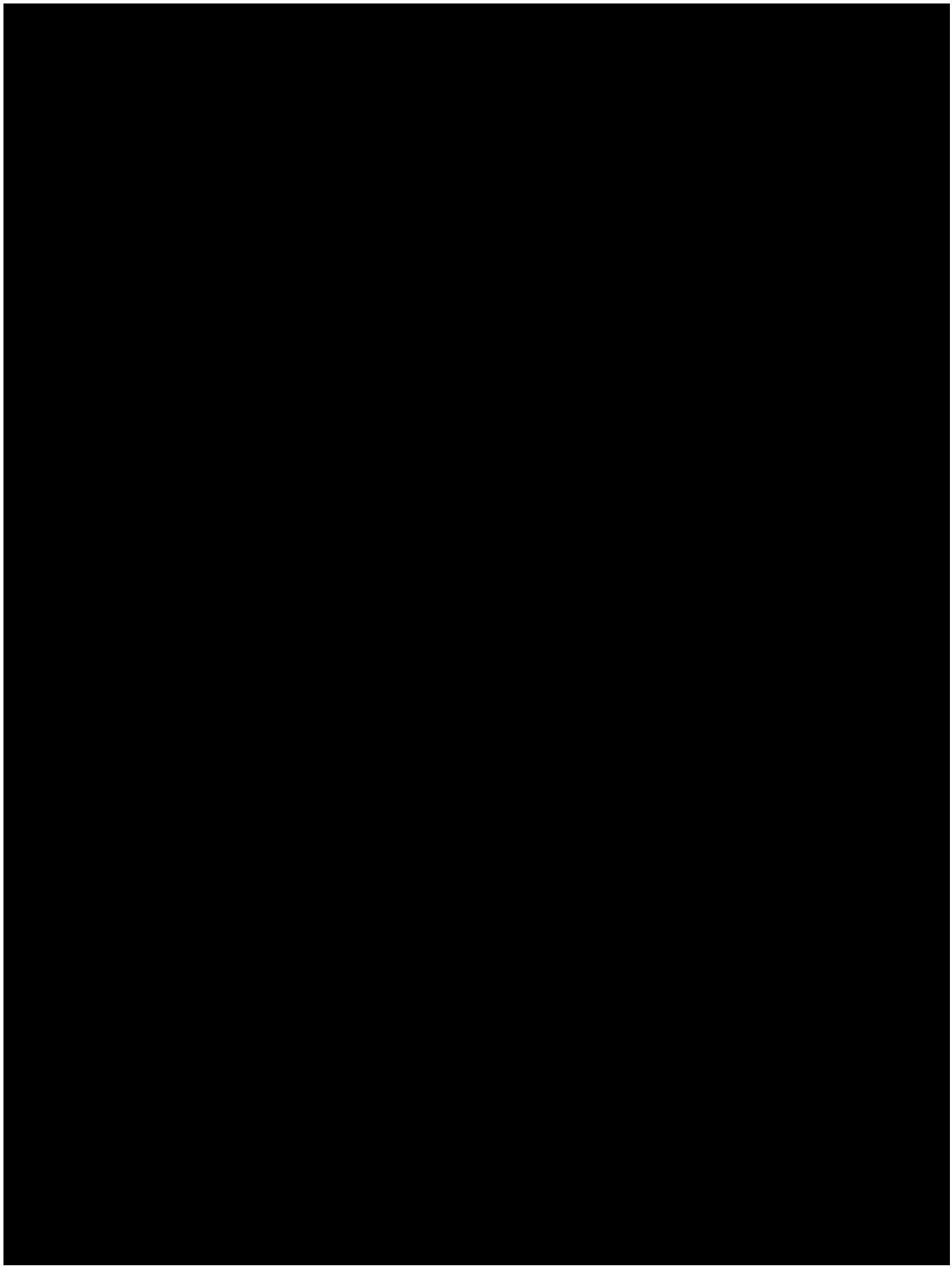
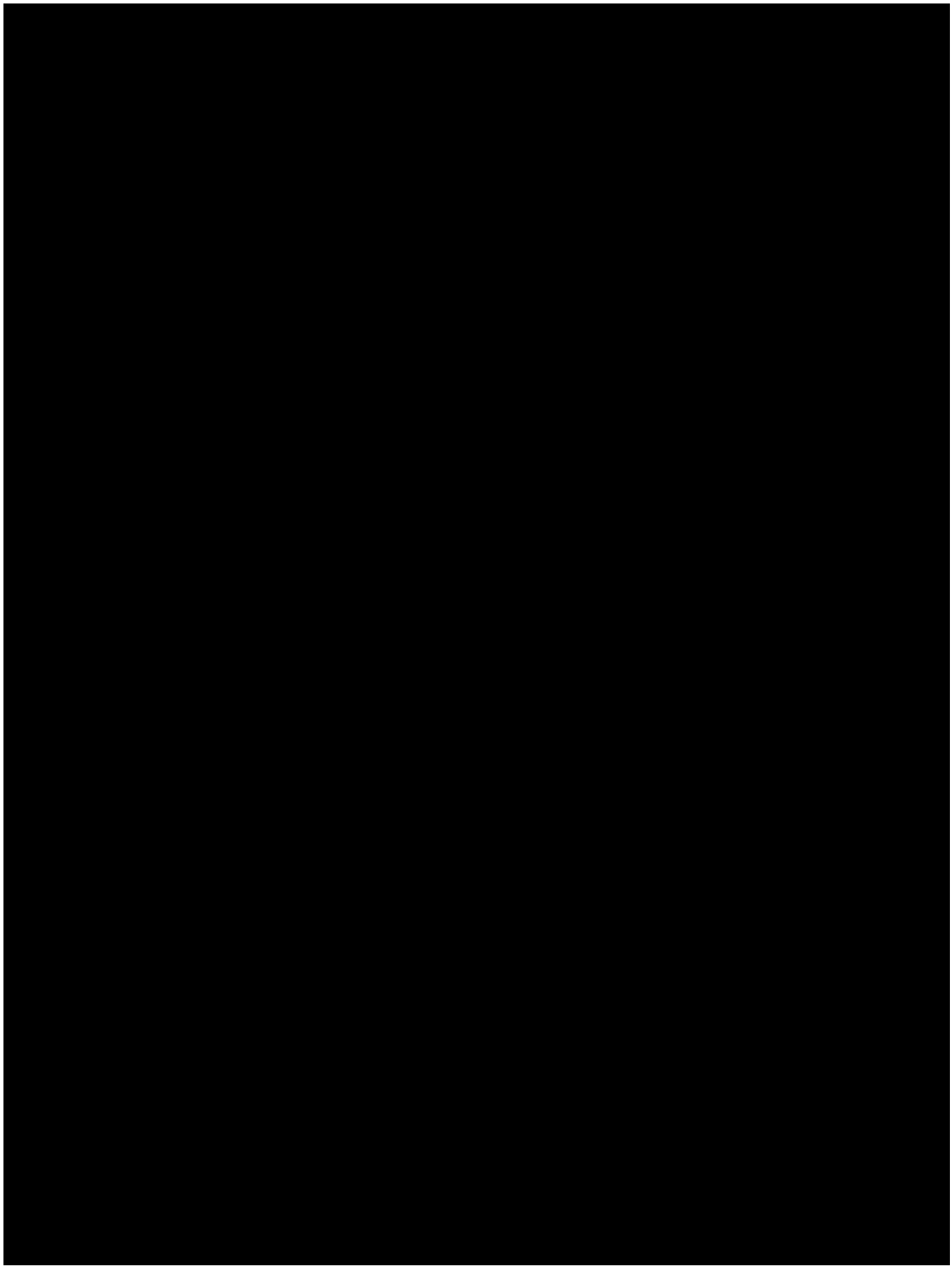
2024-06-11	Inside Kaggle’s most important AI competition	2020-02-19	Article
2024-06-11	Abstraction and Reasoning Challenge (2020)	2020-02-13	Kaggle

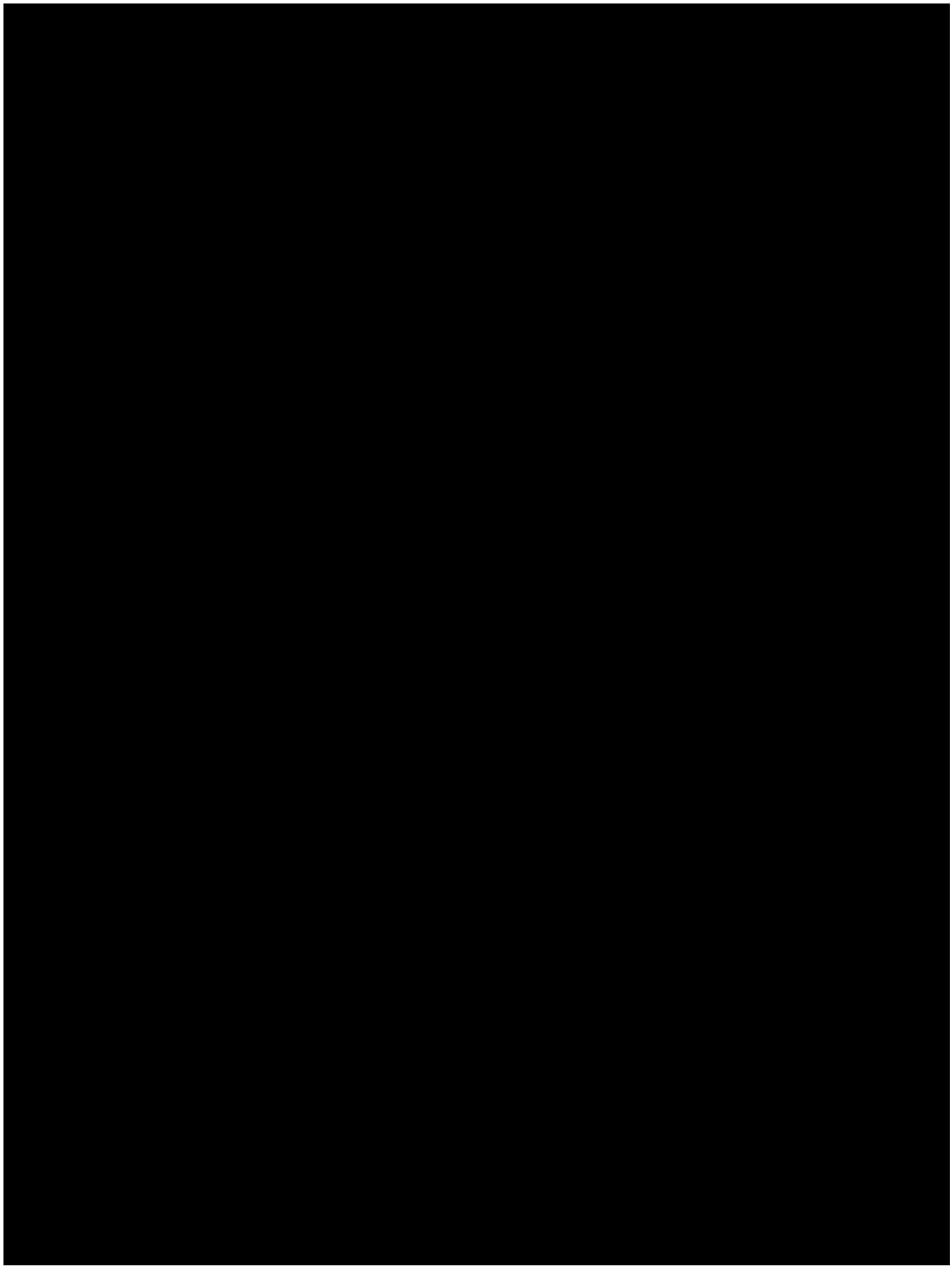


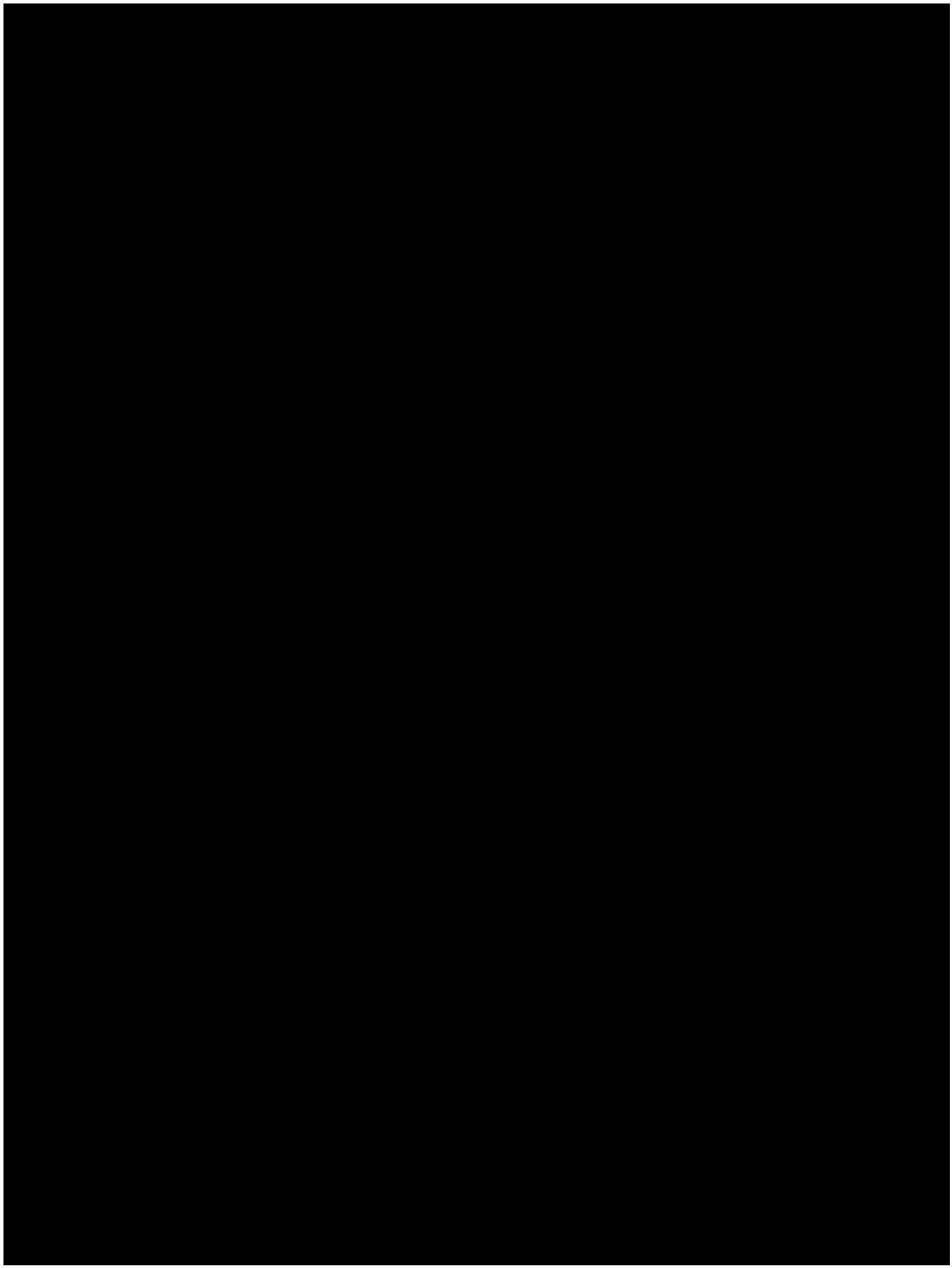


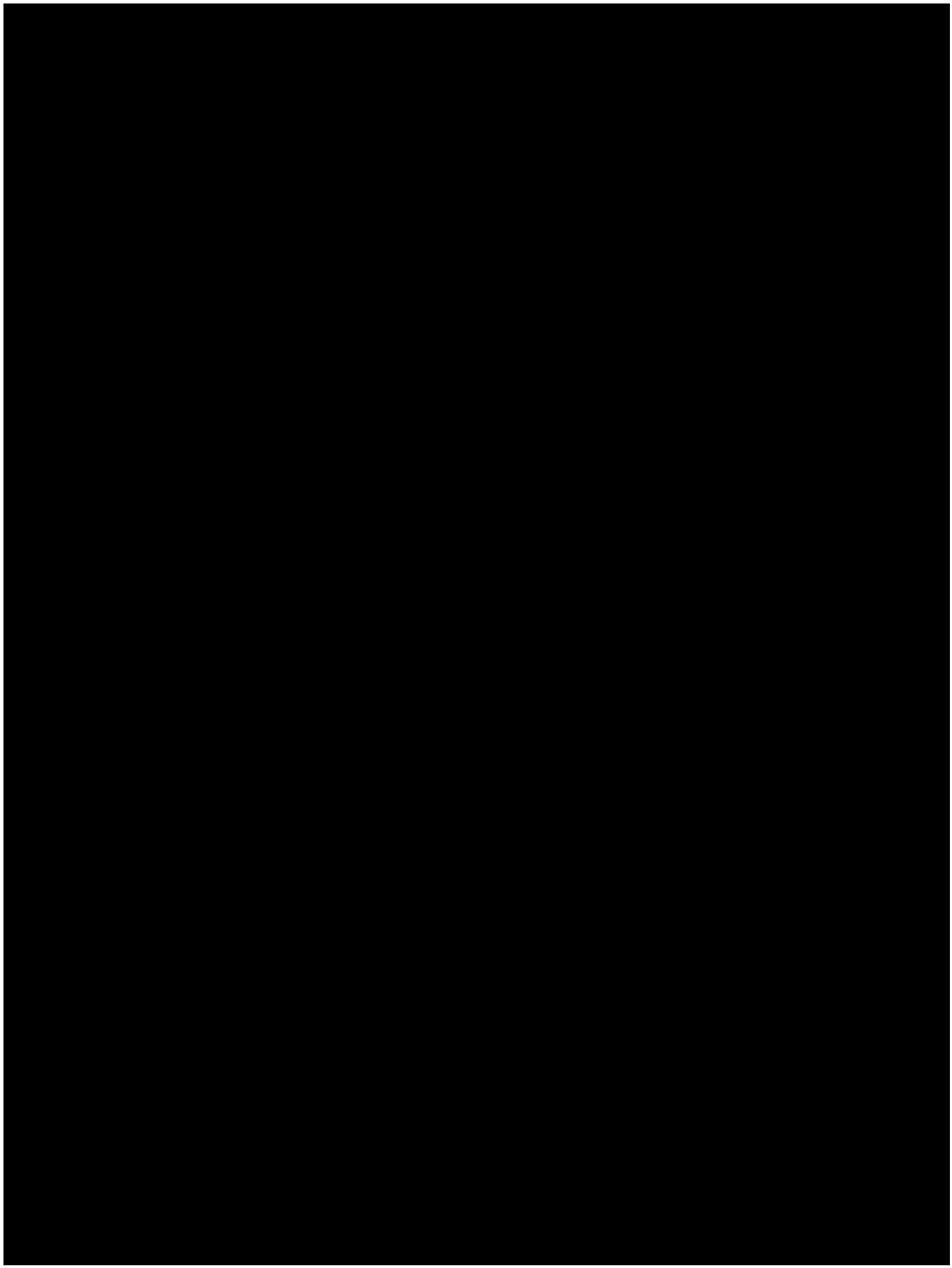


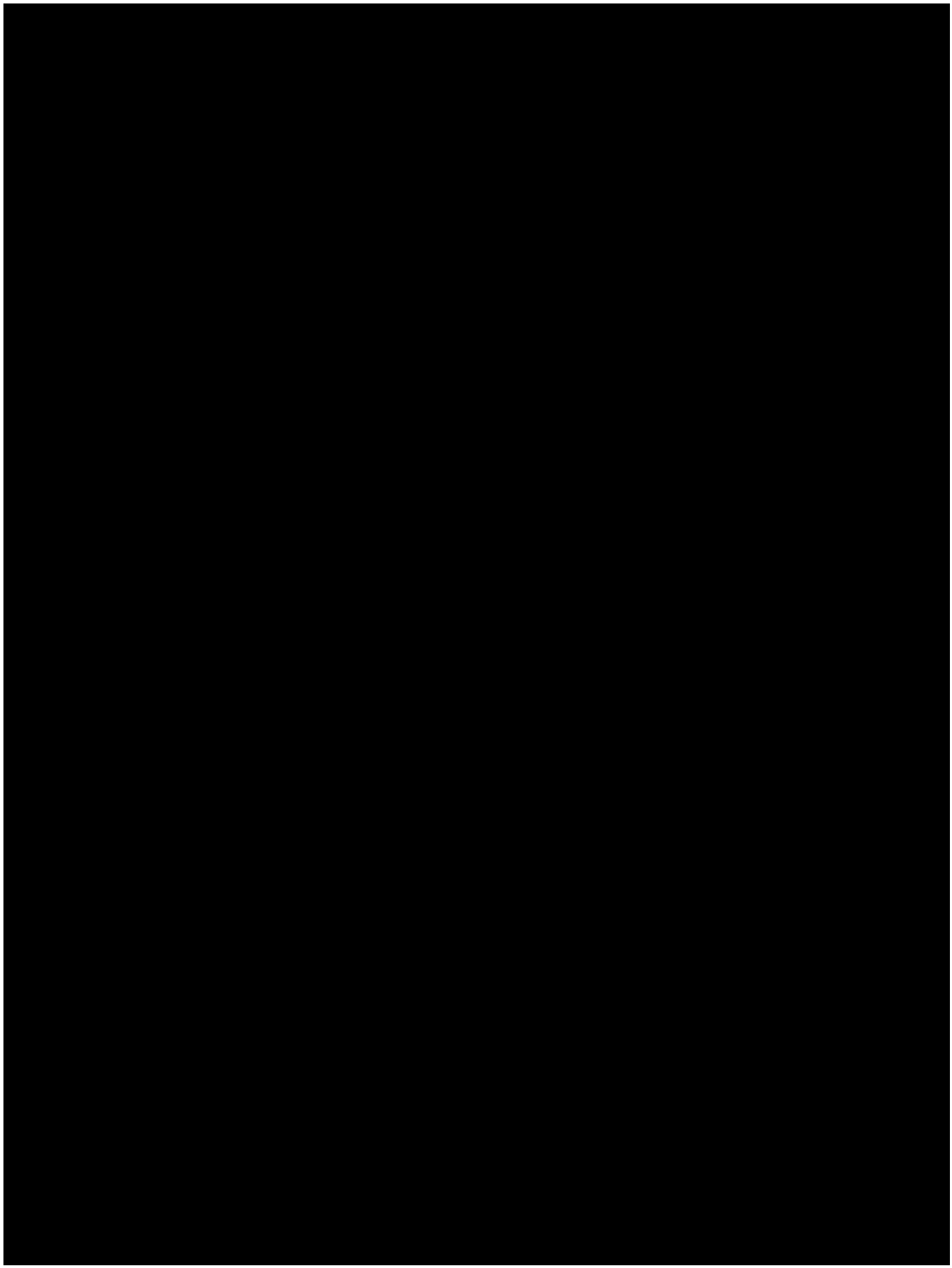


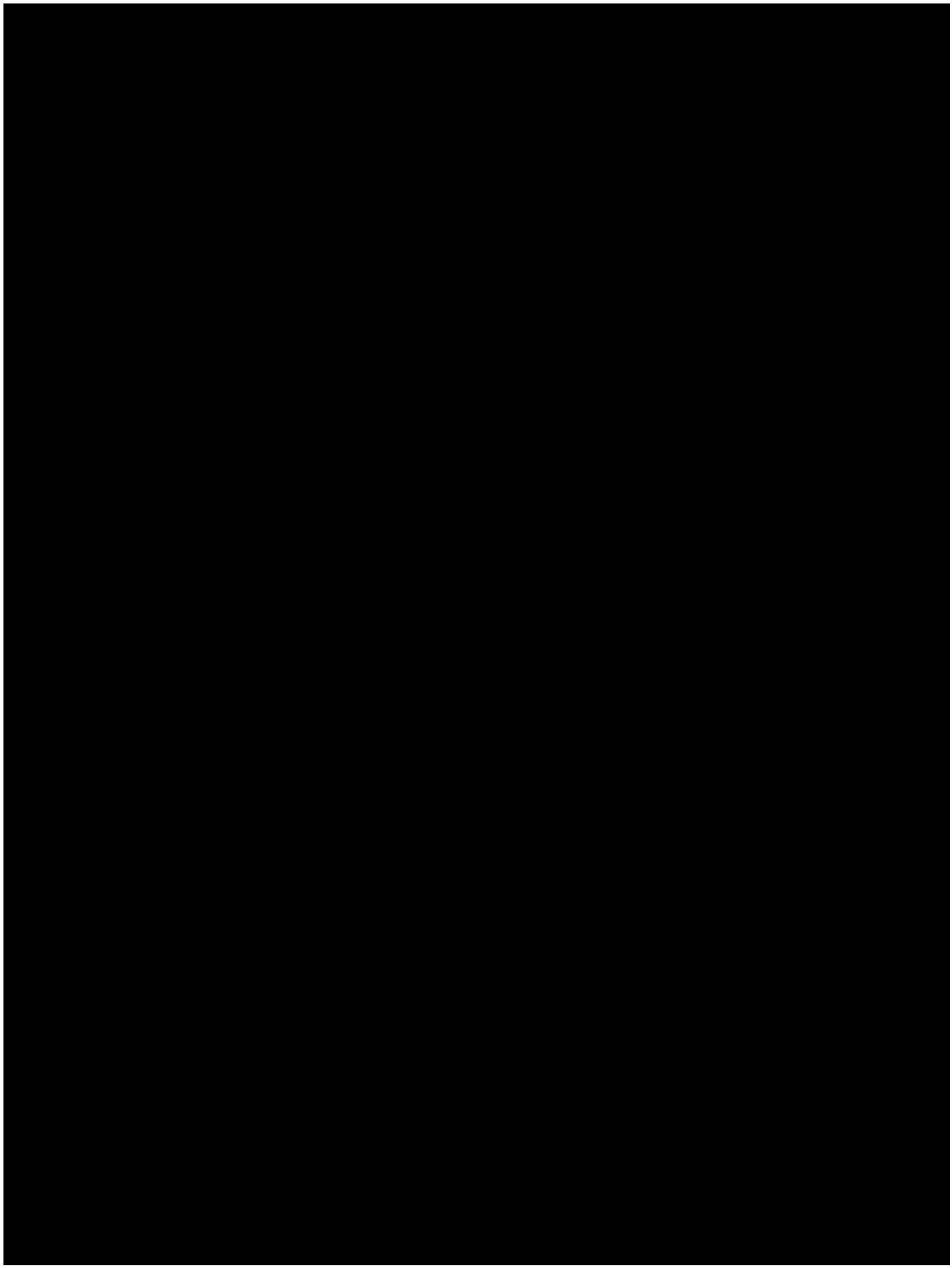


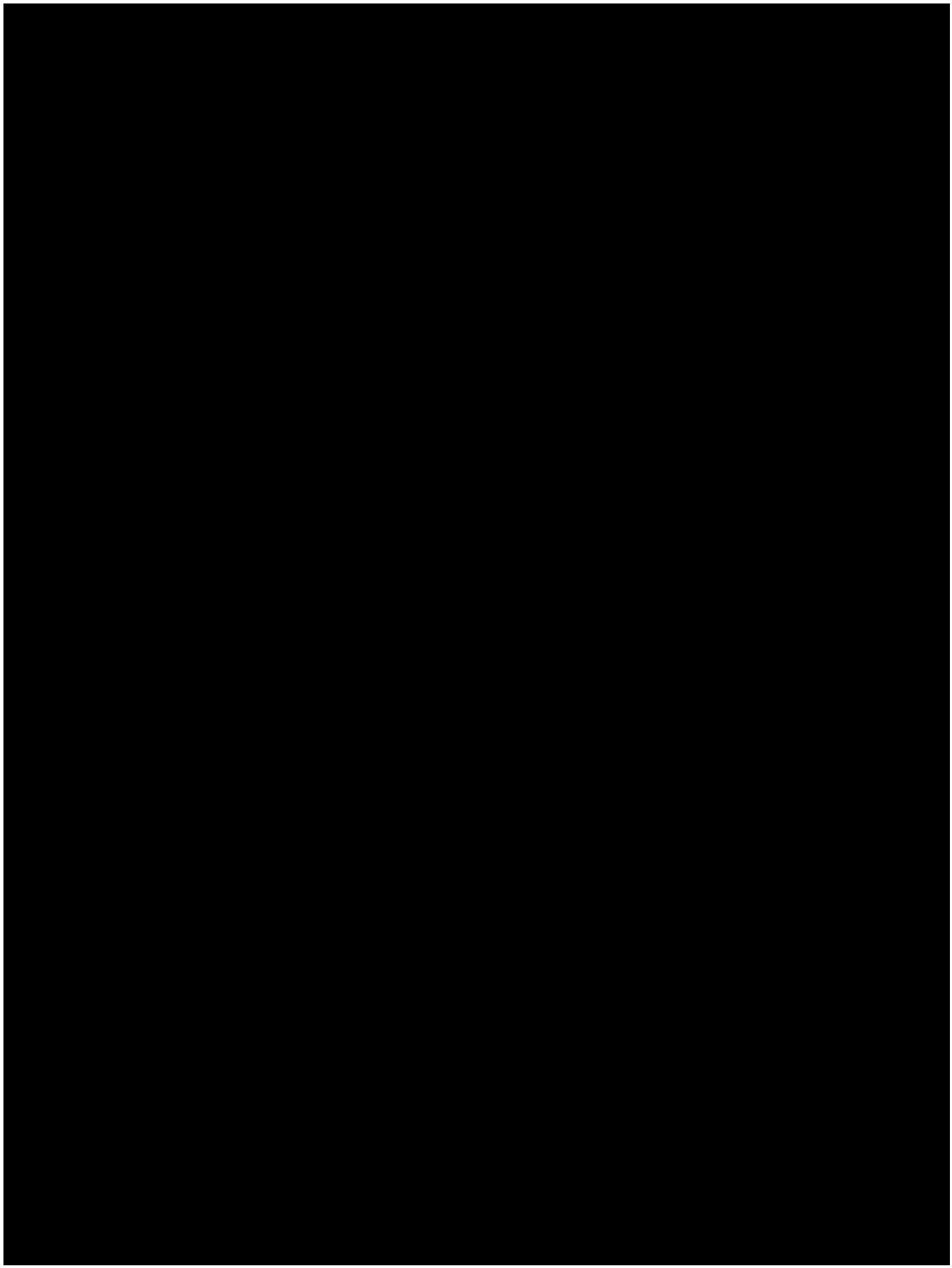


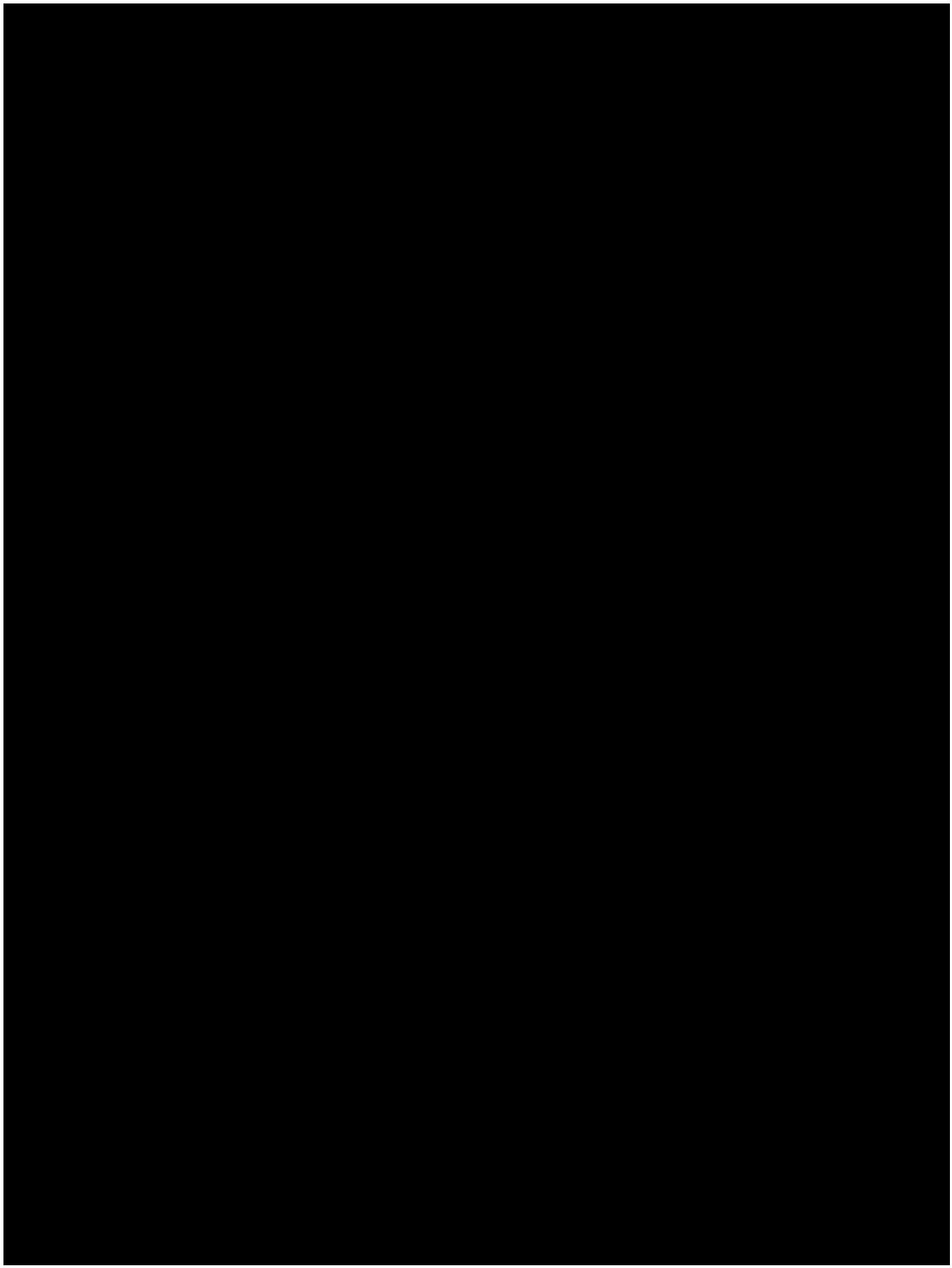


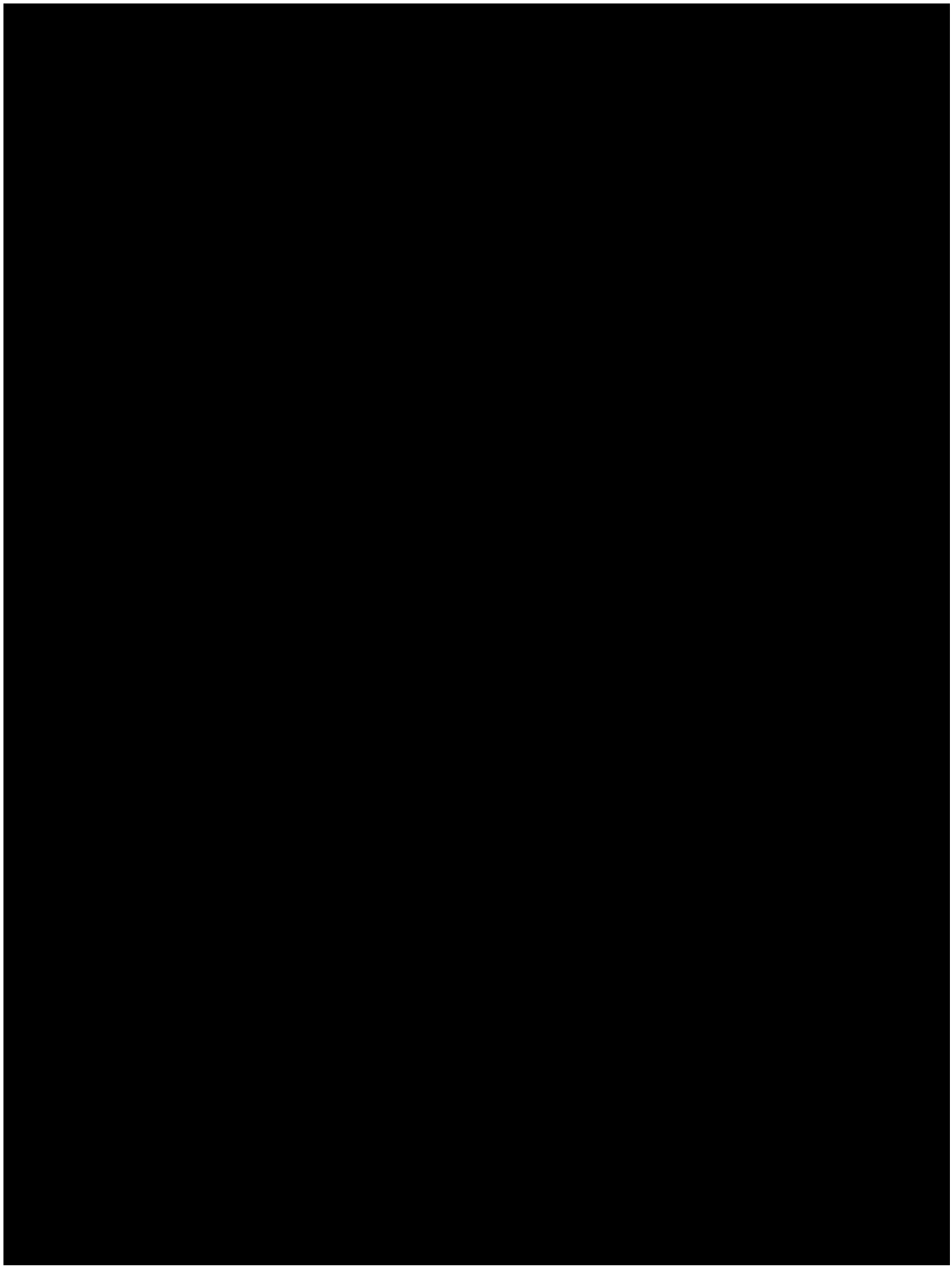


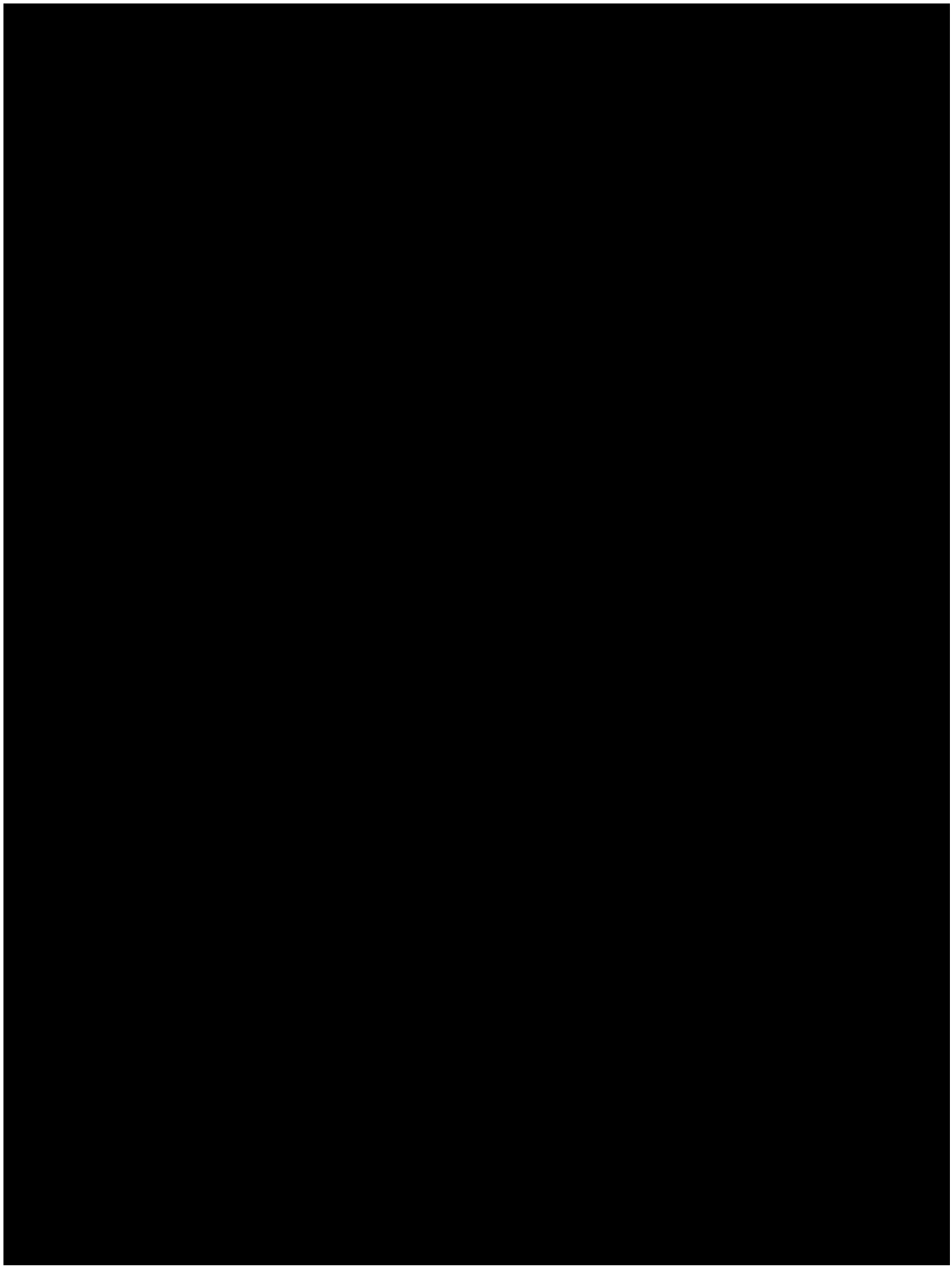


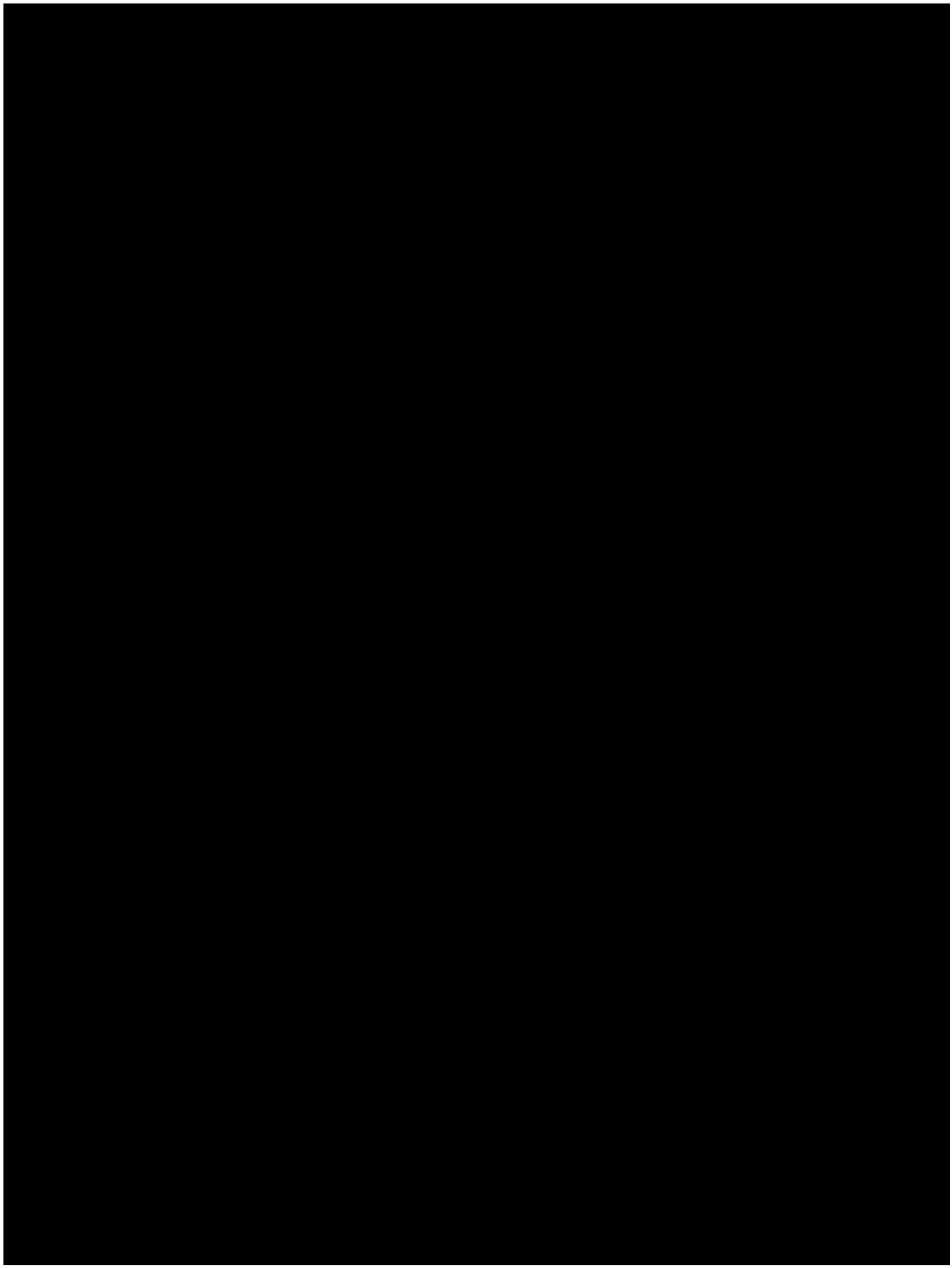


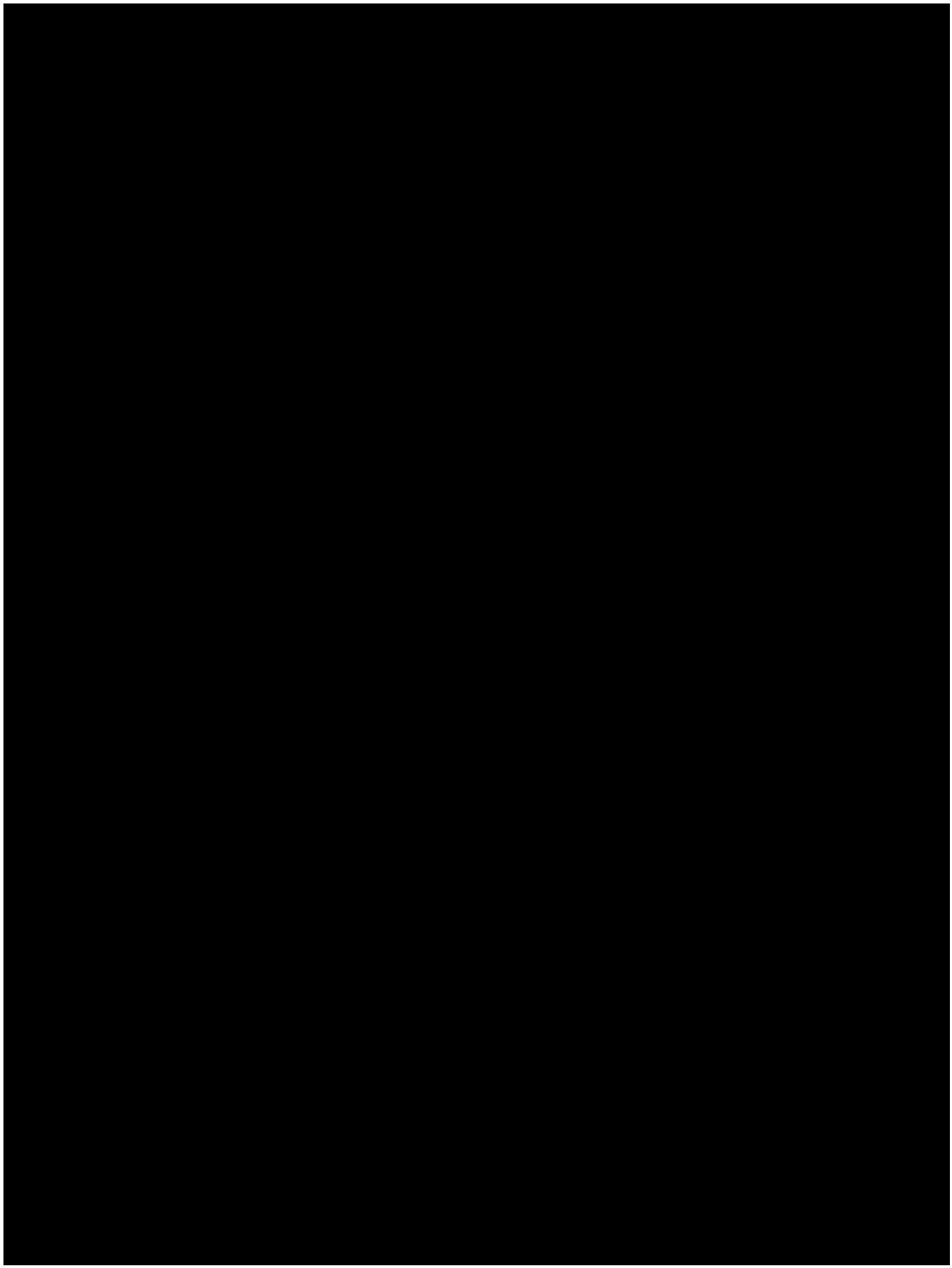


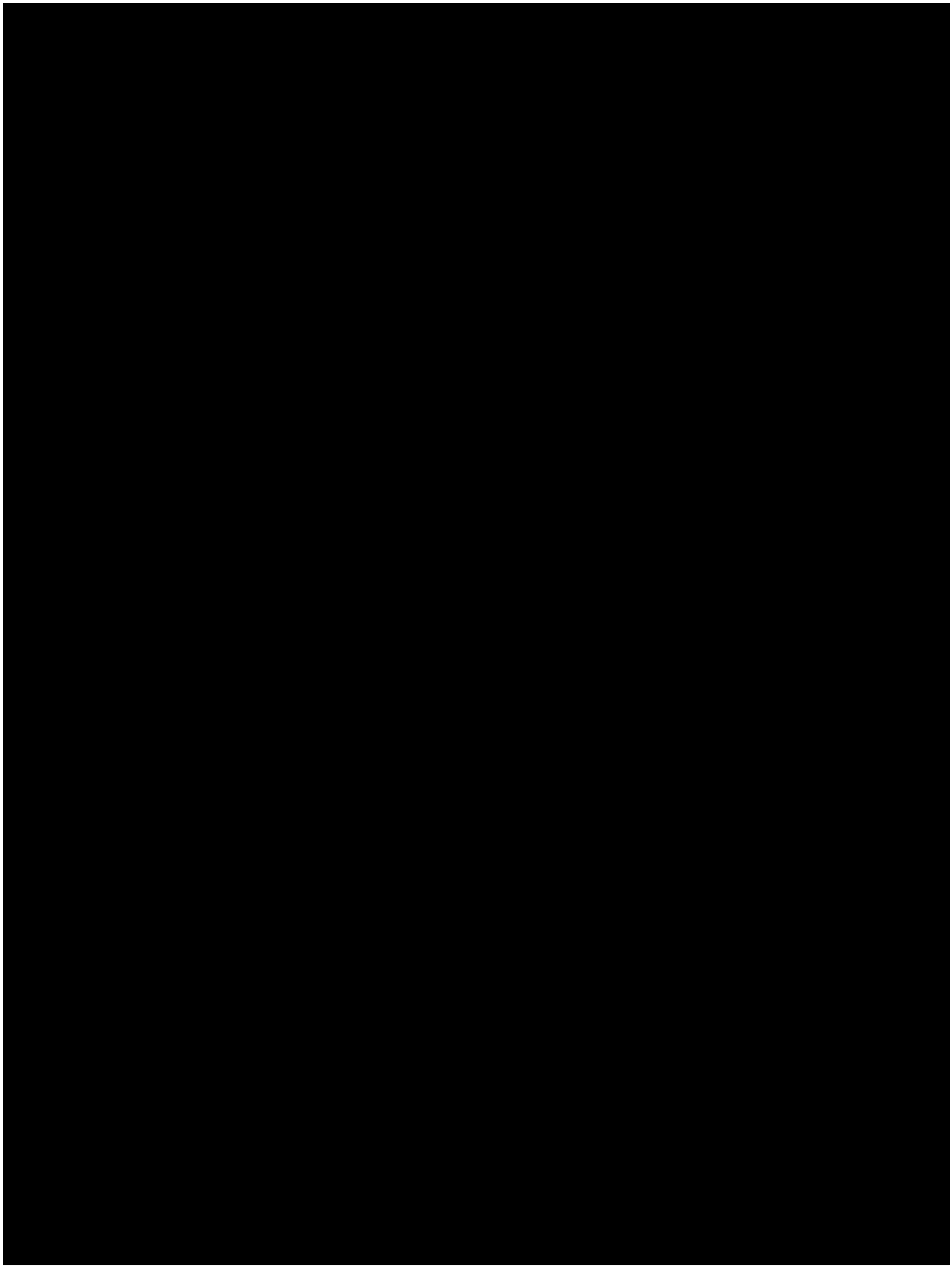












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