Portal 2 Fullgame TAS

Google Drive Folder (Click here!)

- The ruleset is **Inbounds NoSLA**This means.
 The player and portals are **not** allowed to go Out of Bounds.
 sv_player funnel_into_portals must be set to 1.
 Savef_load Abuse is not allowed.
 Otherwise, complete the game as fast as possible.

When a TAS is completed, the script you wrote, the raw script, and the demo should all be uploaded to the Google Drive.

Demo recording should be accomplished with:

- sar_autorecord's et to -1.
- sar_record_at set to 0.
When uploaded to the Google Drive, demos should be recorded from raw playback. The file should be named like so

map_ticks.dem

eg: secret-panel_1192.dem
Ticks are measured using session time, which can be seen on sar_hud_session or in console after
the level transition. The only exceptions are Container Ride and Finale 4, which are timed according
to the Singleplayer category in SAR.

At all times, the cvar sar_fas_autosave_raw should be set to 1.

This can be done in your autoexec, although on the latest prerelease of SAR it is the default.

When uploaded to the Google Drive, TAS scripts should be named in the same format as demos, with _raw on the end for raw scripts. Of course, replacing .dem with _p2tas.

Certain maps have continuity between them. These are called Landmark Transitions.

On these maps, a save should be made before the transition completes.
The transitions that need this are:
- Secret Panel - Wakeup
- Turrel Intro -> Laser Relays

- Turret Intro -> Laser Relays
- Juillbreak -> Escape
- Scape -> Turret Factory
- Turret Factory -> Turret Sabotage
- Turret Sabotage -> Neurotoxin Sabotage
- Tube Ride -> Core
- Underground -> Cave Johnson
- Conversion Intro -> Three Gels
- Laser Platform -> Propulsion Catch
- Finale 1 -> Finale 2
- Finale 3 -> Finale 3
- Finale 3 -> Finale 4

After making this save, rename it to the **BSP Name** of the next map, and upload it to that map's Google Drive folder.

On the following level, the TAS should have the following start line:

start next save <save_nam

SAR version should be the latest pre or alternatively the CI (beta) build if possible. To update your SAR to the latest CI build, go to this link and choose the latest green item, then find your OS in the Artifacts section.

Maps after **Wakeup** all need to have
○>|||sar_give_betsrighter
in their scripts.

Maps utilising **fly preserve** from the previous map need to have
○>||sar_give_betsrighter; sar_give_fly
in their scripts.

Pre-filled	Auto		Fill this in		Auto					Fill this in (optional)		
MAP NAME	STATE	SHOULD IMPROVE	TASSER(S)	TIME	(with demo delay) SECONDS	HUMAN'S TICKS	BEST SECONDS	DIFFE	RENCE SECONDS	COMMENT	COUCH NOTES	
Container Ride	DONE		AMJ	19987	5:33.117	20021	5:33.683	-34	-0.567	Need to make it look interesting xx Saved 18 ticks by triggering elevator earlier Saved 12 ticks with better hop pattern	Mention stuff about this being the first of its kind, technical details. Lots of time for donos, depending on how deep mlugg goes on the technical details Imao	
Portal Carousel	DONE		Can't Even Szeimartin	1964	32.800	2410	40.167	-442	-7.367	Make a swoosh! Submit it [here lies a removed link] Tested a few other routes, this one turned out to be the fastest. A few ticks could be saved here and there, but this is definitely open enough. Start by Bainbow, rest by Szei. Can't Even: Saved 12 ticks with better beginning, it's probably possible to save some time after	Also worth mentioning how the cube spawns in different position with linux and windows	
Portal Gun	DONE		Blenderiste Burger	1732	29.000	2258	37.633	-518		first grabbing the cube, but I am sure not going to do that French saves 10 ticks.	Exploiting a feature called eye offset, we can chain together peek-a-portals.	
Smooth Jazz sp_al_intro4	DONE		Burger Krzyhau Can't Even	1306	21.867	1766	29.433	-454	-7.567	swiss cheese New swiss cheese with extra FCPS clip (cube clip)	Double wall seamshot filipshot followed by seamshot peek-a-portal and FCPS clip	
Cube Momentum sp_al_intro5	DONE		lucasskywalker	1494	25.033	1566	26.100	-64	-1.067	Nice Update: improved by 6 ticks Update 2: improved by 6 ticks again lot		
Future Starter sp_al_intro6	DONE		Can't Even Burger	1892	31.700	2118	35.300	-216	-3.600	Pretty well optimized: the only conceivable place I think you could save time is with a different hop pattern at the beginning of the second room, but I think I have the fastest one. Burger: saved 14 ticks with a different hop pattern in 2nd room. Its way less consistent than older version, for some reason.		
Secret Panel sp_al_intro7	DONE		AMJ Szeimartin	1192	20.000	1510	25.167	-310	F 107	W0000000 its over Thanks to Szel for fixing the toest skip part. Saved 20 ticks with better start/pancake. Have fun doing wakeup again burgur:)	"Now here we're going to do something called Pancake Skip" 'you couldn't really see why it's called that" Now here we're going to set up a wrong warp called Toast Skip you can see why it's called that"	
Wakeup sp_al_wakeup	DONE		Burger	9038	2:30.700	9883	2:44.717	-841	-14.017	Heck you AMJ. I managed to get a run where the clipboard pushed me down a bit, to save 10 ticks. This is completely RNG ofc. The movement is pretty clean, the if I could get a slopeboost when hopping towards the staircase I could save even more time but I couldn't find a way to get enough speed	Toast Skip lets us get straight into GLaDOS' chamber, and is RTA possible. Explain Betsrighter during cutscene, if you have time let mwm read donos	
Incinerator sp_a2_intro	DONE		Can't Even	3154	52.800	3444	57.400	-276	-4.600	Szei: Improved from sear's version with a better and faster seamshot, but it turns out we were aiready on cap before because of dialogue, so no timesave here (looks cleaner though) Can't Even: Improved the start section to save 36 (I (looks, but everything after is on cap so I just made the seamshot look a little better (ivrzy branch goated)	Donos during fall. This level is on cap due to dialogue, even though we get to the end almost instantly with seamshot.	
Laser Intro	DONE		AMJ Blenderiste	1088	18.333	1174	19.567	-74	-1.233	-16 ticks thanks to new first door and landing strats -10 ticks thanks to less dumbness -2 ticks thanks to reTAS, lidk why it's better -4 ticks thanks to less groundframes		
Laser Stairs sp_a2_laser_stairs	DONE		AMJ	1222	20.767	1392	23.200	-146	-2.433	Marked as done for now, I'm probably stupid and just can't manage to get elevator trigger 4 ticks sooner There are myriad possibilities for timesave here.		
Dual Lasers sp_a2_dual_lasers	DONE		Szei Burger	1298	21.967	1372	22.867	-54	-0.000	Tried to save a tick or two at the start (the only possible place to save time), but couldn't get anything faster, so I consider this finished. Burger: Saved B ticks (1 cycle)	Szei: There is a way to trigger the Isg 4 ticks sooner, but that still gets TransitionReady on the same tick as this one, so this is pretty much on cap	
Laser Over Goo sp_a2_laser_over_goo	DONE		Blenderiste Szeimartin Burger	1602	27.200	1900	31.667	-268	-4.467	Blender: Seems like we can do a slightly better start. For now it's done Szei: New route improvement Burger: Faster cube throw	Szei: When you press the button there is an actual "ghost cube" spawning in the tube above the level for animation purposes and with a precise portal (abusing portal placement code), we can take it out right as it spawns.	
Catapult Intro sp_a2_catapult_intro	DONE		Burger	1886	31.767	2006	33.433	-100	-1.667	burger: free timesave lul seer: lonly saved 6 ticks burger: i saved 1 second B)		
Trust Fling sp_a2_trust_fling	DONE		AMJ Szei Burger	2724	45.667	3504	58.400	-764	-12.733	Szei: Saved 1.3 seconds compared to AMJ's script with a different ending and some optimizations like a better redirect. Burger: D.2 saved on the start halway hop-hopping onto the catapult. An extra 4 ticks was also saved on the button press but because cycles, it doesn't matter.	Admin he's doin it backwards	
Pit Flings sp_a2_pit_flings	DONE		sear	1836	31.000	1962	32.700	-102	-1 700	10 more ticks saved with better optimization. Either the dialogue trigger, or the elevator is on a cycle, so will have to save 6 more ticks if we want to save anymore time sear: rewrote because im mean; saved 4 ticks with better start pattern		
Fizzler Intro	DONE		sear	982	16.700	1124	18.733	-122	-2.033			
Ceiling Catapult sp_a2_sphere_peek	DONE		AMJ Can't Even Szeimartin	2328	39.133	3022	50.367	-674	-11.233	AMJ - First few seconds and ledge jump. Cam Tzwen - Room entry and ceiling skip. Szel - Rest Falling through the floor portal could be a bit faster, otherwise it's airight (unless there is a way to trigger the door sooner and keep your momentum). The first -7 seconds was made by Nid when he was going for a different route (wizard's fing).	Chair The suite annum in conden TSDesign	
Ricochet sp_a2_ricochet	DONE		lucasskywalker	1508	25.467	1876	31.267	-348	-5.800	The mix - 2 securious was missing by now invertine was going for a unificient robust (without simply which he gave upon. (Szell) found this route and took over from his script. Saved 0.2 compared to the previous version, pretty good. Update: added a reportal, saved 0.5 seconds again. Befinitely not perfect - a better redirect. Never try to city with a camera. What a journey this map was.	эле. не свое эрени в ганови мэрен	
Bridge Intro sp_a2_bridge_intro	DONE		Burger	2162	36.367	2574	42.900	-392	-6.533	Saved 84 ticks thanks to a sick ass new route, courtesy of Ceyhun. MASSIVE thanks to mlugg who fixed the rng when getting teleported up by the bridge, making it possible to do this map SS. This also saved 12 ticks.		
Bridge the Gap sp_a2_bridge_the_gap	DONE		Szeimartin Blenderiste	1634	27.633	1838	30.633	-180	-3.000	UPDATE: Burger saved 0.4 at the start, but I lost 2 ticks on the cube throw, couldn't get a better one (Szei: Triple peek-a-portal: two abusing eye offset to get above the button, and one that's a	
Turret Intro	DONE		lucasskywalker Szeimartin	1104	18.567	1472	24.533	-358	-5.967	could be saved from optimizations, but I'm leaving it as is. Omega boost + Isg! About 9 ticks slower than theoretical best, Isg is pretty hard to get though	flipshot to get the cube falling onto. Most of the portal shots are on cap. Szel: Took ages to get it, EXTREMELY precise. Shout out to Krzyhau for theorycrafting. The	
Laser Relays	DONE		Szeimartin	1696	28.733	2178	36.300	-454	-7.567	so I'm not redoing it. Szei: Saved 14 ticks compared to old tools. Start by Burger, rest by me	LSG is tick-perfect. Szei: Using the wall to stop the cube above the button	
Turret Blocker sp_a2_turret_blocker	DONE		AMJ	1492	25.167	1728	28.800	-218	-0.000	AMJ: I'm redoing this, saving -12 ticks up to button activation. Should I keep start spin? Burger: Maybe slow the spin down a bit Imao Was a fun 3 hours of playing with numbers		
Laser vs Turret sp_a2_laser_vs_turret	DONE		sear	1740	29.333	2042	34.033	-282	-4.700	Genna have another fun 3 hours doing this new route I just thought of :) Saved 2 ticks after the rewrite, expected to save more, but I guess III take it	Szei: I have no idea how the cube boost works Imao. After giving you enough speed to clear	
Pull the Rug sp_a2_pull_the_rug	DONE		Szei Szeimartin	1420	24.000	1646	27.433	-206	-0.400	Update: saved 0.7 better prewalk on bridge Update2: Saved 0.7 better prewalk on bridge Update2: Saved 0.7 more with different route, this is as good as it gets. Normal script is 100% consistent, but raw is icky, only gets it about 5-10% of the time. New route saving over 7.5 seconds. Pretty clean, not much to save here.	the gap, the cube must fall on the button so this took quite a lot of number crunching to get. Szel: FCPS. bttos://www.voutube.com/watch?v=XrCwtZqvXP8	
Column Blocker sp_a2_column_blocker	DONE		Can't Even Trick	2014	33.967	2360	39.333	-322	-5.367	Trick: I did the first inputs into the cutscene Shai- I not the comers referent hefers hittien the categorit equinn helf a carrond Pratty condi-	Szei: Since there is no dialogue fade to consider here, the goal is to hit the elevator trigger	
Laser Chaining sp_a2_laser_chaining	DONE		Can't Even Szeimartin	1510	25.567	1908	31.800	-374		Update: it turns out it is possible to reportal and grab the cube at the same time on the first filing, so this is sub-optimal now. Update2: couldn't save any time with reportal route With seamshot and spinning cube we're close to perfection on that map. Unless better routes	asap, which is right after the ending door. There is a scripted momentum trigger above the cataput (on the portal surface) to always correct you to the middle, however you can use the camera to redirect yourself to the side, so it shoots you straight through the door.	
Triple Laser	DONE		Krzyhau	1230	20.900	1380	23.000	-126	-2.100	are developed or some wacky physics setup allows you to do perfectly timed double isg without grabbing the cube. It's very decent run. One door cycle might still be possible to save with current route. There is a high possibility for a 600 cube placement to be possible, but I haven't Redid the whole map, saved half a second. Lot more than I expected		
Jailbreak sp_a2_bts1	DONE		Burger	2220	37.267	2486	41.433	-250	-4.167	New turret bonk strats saving over a second. We also setup for a pancake shot for the start of		
Escape sp_a2_bts2	DONE		Burger	2256	37.733	2616	43.600	-352	-5.867	Turret Factory		
Turret Factory	DONE		Blenderiste	2962	49.333	3802	1:03.367	-842		There are doubtless several ticks that can be saved in this TAS, but I'm not willing to save them, truncid by enable bond.		
Turret Sabotage sp_a2_bts4	DONE		Can't Even	3402	56.733	4374	1:12.900	-970	-10.107	It would be really hard. This video is also run with a script to always get a turret, but the TAS is confirmed to work 100% legit, and the demo is also legitimate pain	Szei: pain. Hitting ourselves with the chair gives us enough velocity get to the top of the clipbrush with a precise chair throw to redirect us.	
sp_a2_bts5	DONE		Szeimartin	2668	44.500	3666	1:01.100	-996	-16.600		men or process comment and OW 10 FEMI ECL 105.	
sp_a2_bts6	DONE		mlugg AMJ	3104	51.867	3112	51.867	0		Saving 16 ticks inserting Wheatley, mlugg is going to try Krzy's weird not-reportal chain thing It worked! Savad another 16 on other page 16 on the property of the property		
sp_a2_core	DONE		mlugg	12552	3:29.300	13000	3:36.667	-442	,,,,,,	It worked! Saved another I6 on cutscene trigger, we then randomly lost 2 on the elevator trigger but gained them back on the ending		
Long Fall sp_a3_00 Underground	DONE		AMJ	4658	1:17.767	4666	1:17.767	0		Spent too much time fixing at least it's done		
sp_s3_01 Cave Johnson	DONE		rainbow	3490	58.300	4054	1:07.567	-556	-9.267	easy Blenderiste: saved 20 ticks by doing the bloogr jump		
sp_a3_03	DONE		Blenderiste Szeimartin	1294	21.767	1844	30.733	-538		Blenderiste: saved 20 ticks by doing the bigger jump Szei: saved 38 more ticks with a faster start strat		

Pre-filled	Auto		Fill this in				Auto			Fill this in (optional)	
		SHOULD		TIME	ME (with demo delay) HU		HUMAN'S BEST DII		RENCE			
MAP NAME	STATE	IMPROVE	TASSER(S)	TICKS	SECONDS	TICKS	SECONDS	TICKS	SECONDS	COMMENT	COUCH NOTES	
Repulsion Intro	DONE		Szeimartin	2450	40.967	3380	56.333	-922	-15.367	Saved 18 ticks with I/C route, very cool. Update: Saved an extra second by using a different qc strat with a peekaportal	Szei: Abusing eye offset again, but this time with a quantum crouch on top!	
Bomb Flings sp_a3_bomb_flings	DONE		Szeimartin sear lucasskywalker	2086	34.900	2342	39.033	-248	-4.133	Szei: found a different route which allowed me to save about 0.7 seconds over previous script. The seamshot is EXTREMELT precise, so I was surprised to see it working. There is, however, about 5-10 ticks of timesave here with better portal placements and perhaps a faster boost, but that'd require redoing the seamshot, which'll to after teleport_epe is fixed	Szel: The seamshot is very precise.	
Crazy Box sp_a3_crazy_box	DONE		AMJ	2068	34.767	2336	38.933	-250	-4.167	Saved 114 ticks with better end room strat Stole it from Trick: .) Saved 12 ticks by doing it again.	We enter the chamber, shoot a portal, shoot a seamshot, reportal, portal, portal, reportal, crouch trigger glitch, portal, portal, cube throw, portal, portal, reportal, and the chamber is done!	
PotatOS sp_a3_transition01	DONE		Can't Even Krzyhau	1526	25.833	2286	38.100	-736	-12.267	Original route by szeimartin. French Fries skip lets good	Szei: Using QC and a floor reportal, you can clip through the ceilling just barely enough to hit the floor portal by the end.	
Propulsion Intro	DONE		Can't Even baister09	1564	26.233	1702	28.367	-128	-2.133	more time spent = more better		
Propulsion Flings sp_a3_speed_flings	DONE		Szeimartin Burger	1930	32.267	2088	34.800	-152	-2.533	Saved 0.2 by using the last reportal to unstuck myself. Burger: improved with a stairboost start+quicker portal stuck		
Conversion Intro	DONE		Can't Even Krzyhau sear	1648	27.800	2844	47.400	-1176	-19.600	sear: This map fucking SUCKS canterven: This map fucking RULES mituge 3 facades; good job on save 1 sec get stuck cosmical being canterven 2: saved almost 2 seconds with optimizations and new clip stuck super reportal		
Three Gels sp_a3_end	DONE		Szeimartin Krzyhau	3274	54.867	4412	1:13.533	-1120	-18.667	This one is for the believers	Szei: The fact that the small blobs of gel do not get funneled into the middle of the portal allows us to replace the floor portal below them so they fall into the bottom part, which we need.	
Test sp_a4_intro	DONE		Burger	5562	1:33.067	6534	1:48.900	-950	-15.833	Originally I made this TAS in 2 segments, then after some time passed I realized that it wouldn't be that impossible to actually make this map into single-segment. I also thought it wouldn't be as painful as the first time around but oh how wrong I was. One thing that saved this a bit was the fact that I could get in a corner and do the 2nd test solve without having to get a		
Funnel Intro sp_a4_tb_intro	DONE		Burger	1574	26.633	1752	29.200	-154	-2.567	Saved another 8 ticks on the start. Very well optimized now hopefully. Due to how dialogue works on this map, getting fly actually loses 0 time on this map, which will save quite a few seconds on the next 3 maps.		
Ceiling Button sp_a4_tb_trust_drop	DONE		Burger	1576	26.600	1722	28.700	-126	-2.100			
Wall Button sp_a4_tb_wall_button	DONE		Burger Blenderiste	2386	40.200	2591	43.183	-179	-2.983	Featuring faster button activation and elevator pre-walk Blenderiste09: yooo saved 14 ticks		
Polarity sp_a4_tb_polarity	DONE		sear Blenderiste Burger	1108	18.867	1266	21.100	-134	-2.233	Coop blender - sear - burger :) burger: new strats		
Funnel Catch sp_a4_tb_catch	DONE		Burger	1946	32.767	2192	36.533	-226	-3.767	Route Credit Lathil. We do a slopeboost off of the big pipe, and with some TAS airstrafing we are able to make it directly into a well placed portal		
Stop the Box sp_a4_stop_the_box	DONE		sear Burger	1840	31.133	2040	34.000	-172	-2.867	From start til button press: sear rest: burger Have to save 0.1 on the cubethrow because dialogue cycles		
Laser Catapult	DONE		Burger	1802	30.433	2106	35.100	-280	-4.667	tried the cool fling with dialogue skip and its cool :D		
Laser Platform sp_a4_laser_platform	DONE		Szeimartin	1498	25.200	2062	34.367	-550	-9.167	The map turned out to be a complete RNG fest, so the script only works about 1/20 of the time (fits 100% consistent once you get the cube clip). Probably not fully optimal, but I took some liberties to save my sanity. All considered, about 6-10 ticks could be still saved by a quicker cubeclip setup. Everything else is fairly optimal, but a tick	Szel: Very old segmented route with a super reportal.	
Propulsion Catch sp_a4_speed_tb_catch	DONE		mlugg Burger Szeimartin	3058	51.267	3208	53.467	-132	-2.200	couldn't figure out anything faster. Bouble cube bonk.	Szei: The first bonk is to get us closer to the door and to get a slight redirect, while the second bonk is to keep our jump low enough to not hit the doorframe while still keeping our speed. They also both give us more speed. Awkward ele, because the ending dialogue would take a long time to trigger	
Repulsion Polarity sp_a4_jump_polarity	DONE		sear Szeimartin Krzyhau	1946	32.867	2240	37.333	-268	-4.467	Original route by szeimartin, skips the dialogue which allows us to save time on otherwise capped map. Improved by using better fling. Used mgmanip to get it in one segment	Szei: A complicated setup (get the gel to the right place, get qc, a series of flings) to skip the dialogue trigger which would otherwise put the map on cap.	
Finale 1 sp_a4_finale1	DONE		AMJ	3088	51.667	3728	1:02.133	-628	-10.467	Saved 54 ticks in the reTAS! Have fun with Finale 2 and 3 gamers :D		
Finale 2 sp_a4_finale2	DONE		Szeimartin Krzyhau Burger	2068	34.700	2418	40.300	-336	-5.600	worked perfectly, only rewritten like half of the script	Finale 3 Skip - Wrong Warp similar to the one in Wakeup. We're getting QC to get portal to the spot, then using very precise portal setup to activate transition trigger behind the wall and getting to the correct wrong warp spot the exact tick transition happens.	
Finale 3	DONE		rainbow	1002	16.867	2290	38.167	-1278	-21.300	BOOM		
Finale 4	DONE		AMJ, Can't Even, Krzyhau, CeyHun	9183	2:33.317	12044	3:20.733	-2845	-47.417	Airight and time's coming up in 3 2 oh it happened 7 minutes ago? What? Living the occuboinkal dream (the occy way) Occuboinkal (very complex PPD route) saved like 40 seconds		
	DONE				47:13.033		54:37.283 uman Sum of Best		-7:24.250			



Chapter	TAS	Human	TAS	Human Page	
Onaptoi	II Time	II Timo	Para		
1 - The Courtesy Call	11:37.017	12:29.600			
2 - The Cold Boot	3:33.400	4:00.567	15:10.417	16:30.167	
3 - The Return	4:14.400	5:06.267	19:24.817	21:36.433	
4 - The Surprise	2:35.433	2:59.167	22:00.250	24:35.600	
5 - The Escape	6:51.733	7:45.900	28:51.983	32:21.500	
6 - The Fall	4:54.300	5:48.467	33:46.283	38:09.967	
7 - The Reunion	2:21.167	3:04.100	36:07.450	41:14.067	
8 - The Itch	6:49.033	7:41.883	42:56.483	48:55.950	
9 - The Part Where He Kills You	4:16.550	5:41.333	47:13.033	54:37.283	