

<div style="text-align: center;">

[KEMBALI KE MENU
SEBELUMNYA]</div>

<center>

<div style="background-color: white; border-color: rgb(23, 128, 221); border-image: none; border-style:
dashed; border-width: 2px; border: 2px dashed rgb(23, 128, 221); height: 240px; overflow: auto;
padding: 10px; text-align: center; width: 330px;">

DAFTAR ISI

<div style="text-align: left;">

1. Kondisi</div>

<div style="text-align: left;">

2. Gambar</div>

<div style="text-align: left;">

3. Video simulasi</div>

<div style="text-align: left;">

4. Prinsip kerja rangkaian</div>

<div style="text-align: left;">

5. Link download</div>

</div>

</center><p>

[Kembali]</div><div> </div><div style="text-align: center;"><img alt="" height="314" src="

SbBsUTDd/1Jjk/hQWFovFYrFYhourGh3QOSut7h2gJL2GA0qybbgwHQ0HIGTbcGG6uSUxanRAXzal4XoHxbb
hwnQ0HFCsbCOf6Rg1ctKxTWm43kGxbbgwHQ0HIGTbcGE6Ro2cdGxTGq53UGwbLkxHwwEl2TZcmI5Rlycd
2xTZ8PWiqK2b3zn30fDVkG4W0uMd7NN3fjkl8+Y3vv7ejVc+f/hJVczBx3dv3z5jb/8C4d846tndI5aOvj4bq3
y37/95u2XL7/5ja878Oapx96+8N1P3/lIae/eu/FKVUMlRnXpwdqqQ3r2WWa+feG7Tmq4W4j7914pXbg3G8
bxuXzh5+8d+MVv49vfPVMaF2tpNI2Pebzh5+47ey8tBTiP3/4yYO11V9865vVQW/dl+pvHd2s0X/zG1+//fLI9
8fbpb+9+Z1z60VRGrvfDV99+8J3N089FjZDiJlM7v1u+GrYdQ1OhsM6C9bw2+YeSIEBPOMcnloSo0YHdGxTZ
MP9MSYsf4TbeWmpFDVKsFe/+NY3b7982cHcwcYdGsN66/t/7Q4eb37j6yUl/ug++qtnHdgdxTDPVY98n00f
PVnX/6SDy7v3XhI56Ult+W3L3w3PBi7qPHGV8+EUt/46hnH9dHw1VqXPMaFWWthBx/f9cfR39Vtyv/24d13
qttpjho+HPh9dKq8dfFRY1bOeHj3HbfN4emv3H758ns3Xrn98mXP4jXP2pfqb8OosXnqsdp2+tmXv1TaQjVqf
DR81ScM9+c+c/hmOGrUeHj3HbeRWth7o2HDbsxMT4QBpOMcnloSo0YHdGxTZMnNhfP87Py7w/m99Y24
K3ewqR4D3BHUHczCAOFyhju8Vbezeeqx8ODkjkM/+/KXSu+DP3/4iUsn4cHYRY3qe3G3kc1Tj1Vdenj3nfWiu
P3y5c1Tj73x1TMNHjvZjuKt7/91Q9SozQfNZrqNI8KB28EHa6uzJFWjRkPOclP7YG21tCm3R5unHguXIKr7UuU
No0Z19D9/+MnOS0tuy+GyVilquABXHd//+pd/CpeajhQ1Pn3nlz6sVDGfvvNLI1wZNZoBhvcOQRKjRgd0bFNk
wxsm2dsV14virf/7pL78fhRY3p4JPNHPndo8Qe22sPe2xe+6378/OEnm6ce2zz12HujYa0Md9xy2alhakynB+
4AXN2O0xz+17/8k/9mluEuM/nwVD014I/NoaTSb2eZ6dhLh1sXg5yxMVHj/ff2bc7wRpVOKJVSD0ewui9V3
uao4WrOV8+6JFdS4vf0iX/bLlqN/qkFRM13h9v++Tkhn8rTtF5ZJN9be13dtcSqedGBjn8NSSGDU6oGOblhve
cMwrzfsdRg2fHtyP/thTku2yhQe79/q3X748a+/8uZtpW9Rwh5Zaus1Tj00P30bPOq47liesFMh8+TMO/pv4q
FH7uotlkVHj84efuAtfqnDSWo4F+N8WA+uVqnuS5U3Jmq8Nqx6A79/pRQ13BD/69/+Te2fhxbFRI23/+6S29
ODj+86okfE3HjF/fb3b79Z/W3koKTAANJxDk8tiVGjAzq2KbLhDcc8N/++8+MfuR87iRrhWQBP4RYPWnfNH5
YaYC5DuON6bdQ4+PiuWzOoRhZ3YsUfm92mDj6+W6VzW3CrAi4BDE9/pYTxdlD2jGjRhjLmqPGrPMm4Xaa
rORXo+iHqboVd6YqDGZ3HMhxoeV2hMoTt6si4Kn0VHjnR//yO9mNUw8WFv1q02MGq0Aw3uHIIlRowM6
timy4bXHvIOP7/qVZ39qYL3xDhR/tJh1sHG3jaw/era+9C65Wfb64dn6BlgYR2rvQFk/vNy1Suf+1otxaquJJFz8
cOXWD3xgCtW6792BP1z5OGrU8FdX1J5pCrfpC0Z1+SHczfASyyqmFEeq+xlGuCNFjVK2qL0s1F888cZXz7x94
bsP1ZLSMYaoS71hAmGDU4h2eXxM9AYRmvhvTwsy9/6d9Xr5WQv/jWN2vrvdHQwX53eAdBbYVlv80jSW
3GuF533/67S5PJpbd+Pjz9IVCnv5/2X//2b8I//P3bbzpw6ZWffflJYp/X722fngpaPjK6K+enaXWnThYLwq/70fa
8fdGQ3f0DYdlj9uB4env+K+f3+8XWuRu2tmVjnrFvGtbx51X9zo+z+cNUCevVbM++Ptd378lz9St3ZTSITLO99v
WazUxVWNUduicVb3DIDSkQxfr7uFNXwr6TcV+Ua8erOre8s4PP2V6pvs0nJ6s2z/rr0BVI3VqF6rcDxXXdy5N9
Xr/kX3RpGCzewYcw/2L4Rvz98bZfcSmp9T/6G22OZOY0WM8Ib9updaC0ZjPrWo2Yk1YNqxqz9mXS0apGtZ
38Xbj+dqQJvZwApXR1e4cgiVGjAzq2KbLhDce8Et2RokbpGODvL619rILktRqhnI9865ulP6ytN/7yLzwsfJxGtcJ
7K6p2ubfOTk+kmR8NX63mjFIghTljOj34/dtv1v7tca7VKI1FuC+RUaNoWWlr1ChJcpfiMmol03EOTy2JUaMD
OrYpsuEyUWM6PXjr+3/t3gqHj1UoPUCiktstsbjkwfP2jt3i0TMHSj+oZbuR3e/SenBU67WH73owS1+IB4L5s/
LhBdwVO3yx35/K0ezmT6flY7Es3qgtM3J5F5twgtdmrWp2jtQQsDBx3dL+xlTNVw+8NTTStRwF8HMGl/vMK
OGMB3n8NSSGDU6oGOblhsuFjXeH2+7IYPwrb+/xLL2akf/FK8QvF73PaxX8c/VcNnCr2qU7osJy72Z9mGod
MYnNLz0dLKqXZPDZ3P5yzYbzJy1DtTQA9Wo4XetIPCCUbOebJbruRoIwGIfYqJGuK4TKvFRw3n4u7qHo7v1JH
fWhlFDmI5zeGpJjBod0LFnkQOXixqTyT2/lhC+Tff3T5aePFF7jUlnTwv112q4+3g/f/j+uFVINVD83Hn84efuBS
fWKmM7x0hK6NGtPDY16zmSFpfA/URg3/kLHwoo35nhZaZQz3pTlqRD4t1I9v6aTPwcd3Xabxj1j1ICdUtTtH
YIkRo0O6NimYIYfNWRm+gyUm985595/Nz9Xw5+ACI837sX1ymeg1AaFY34Gin8X7h90UfsU8LDc3RwfDV91
qqofy+IM95dxulP0rKjhtZ00HPmcyJJyVzHP1SgNnE94ofl5PgOlyhjuSxg1jvMZKL4ZfLP5y2jCE22MGrBTir9Q
5DEqNEBHdsU2fCjRo2GcgeM5qjh32Shp1HcX+28tOQO6ut1H+YZVumTXWvBk9nP1bj5nXMP1lb9nSxOT+
mpGGG98+MfOZZZix/ecJdF3BFxVtSYBh8vN8vwBpPjH0weYvxaRXikL32yq3swa8Mnu9aq9fsSRo1a2e/deC
X+k113Xlryhlc/uZdRQ5iOc3hqSYwaHdCxTWm43kGxbbgwHQ0HIGTbcGE6Ro2cdGxTGq53UGwbLkxHwwEl
2TZcmI5Rlycd25SG6x0U24YL09FwQEm2DRemY9TIScc2peF6B8W24cJ0NBxQkm3DhenmjxqT3I9GZ7FYLba

LZbi4qtEBnbPS6t4BStJrOKAk24YL09FwQEm2DRemm1sSo0YHdGxTGq53UGwbLkxHwwEl2TZcmI5Rlycd25
SG6x0U24YL09FwQEm2DRemY9TIScc2peF6B8W24cJ0NBxQkm3DhekYNXLSsU1puN5BsW24MB0NB5Rk2
3BhOkaNnHRsUxqud1BsGy5MR8MBJdk2XJiOUSMnHduUhusdFNUgC9PRcEBJtg0XpmPUyEnHNqXhegfFtu
HCdDQcUJJtw4XpGDVY0rFNabjeQbFtuDAdDQeUZNTwYTpGjZx0bFMajjkoa2ury8uXwleKw08S7/UWiqloiqL
fX/Sb6vcX3Yu93oINw4Xp2OGAkmwbLkzHqJGTjm1Kw2EHJQwNo9FwMFiZTg96vYXxeNu9uLx8aWnphen0
oN9fHI2G7sXBYKXfXzRguDAdOxxQkm3DhekYNXLSsU1pOOygDAYrPkD0+4t7e/fH4+3SUsfOzs29vfthtphOD
/b27hswXJiOHQ4oybbhwnTzR41J7k9hYbFY6Wpn5+a5c8+E36ytrV69eqUE29raXFp6lbtFotlsriq0QGds9Lq
3gFK0mt4FklumMcMvb1RXNdbWVqurGn4tRLXhwnTscEBJtg0XpptbEqNGB3RsUxqOPCjuEo3woo1ebyG8LO
PMmdPT6UG/v+iu5HB/4i8gVW24MB07HFCsbCOf6VRGjbNn94pi19W3v/0/HvPBB39wP7q6dm1/Y+OzjY3
PimLXb+rFFz/d2Pjsi3043MiLL37q/5xtCkhHw3NJKoqieitK9Q4Uf1sK70DJK0mv4YCSbBsuTKc1anzwwR/c99/
+9v/86lcPJ5N7LIL4qPHBB39wAWJj47OzZ/fc92HUKIrdcCPXru078D/+4/8TG0i2qbAkVYYDSrJtuDAdDQeUZn
twYToLUcNhrI3bD1c1rl3b/9WvHk6nBxsbn7344qcvvvpSyQuamxsfOayhS+/wSef/E+XgWSbCkvSazigJNuGC
9PRcEBJtg0XptMaNfy5D3dyxGHCqPHtb/+PSw8uakynB0Wx66OGO7dSS/fUU5/42DGr/BmZY+4d21RYkl7D
ASXZNlyYjoYDSrJtuDCd1qjh08C1a/vXru1Xo8bZs3vuGx81fvWrh88//9GsVQ2fPJ566hO3HDKrXGSJSRsI5WE
8cuXbtPqrTgYpHUaYjvMCoCTbhgvT0XBASbYNF6azEDU2Nj6LWdWYTg+ef/6jotj112r4SPHii5/6P2xe1fCLKP
NFjdKPYdRoQAL2jTAd5wVASbYNF6aj4YCSbBsuTKc1arTegVK6VsNvykeNDz74Q+kOFFcN12qEd7JMI06jMG
qgSdl7LwBKsm24MB0NB5Rk23BhOpVRIwbj70A50qYa7kAJD/+MGsJ0nBcAJdk2XJiOhgNKsm24MJ3ZqDE9
PLcSv6kPPvjD2bN7tZhZx/7mtMGogSZJ77wAKMm24cJ0NBxQkm3DhenmjxqT3I9GF6vwEs74X9WCZ/3Y8C
sWC7OK5wpX2ZWwWCyrpWBVo8NNIW4MCTENCxulTXFVI7skb/iJdaBDJl8aJg0XpmOHA0qybbgw3dySTlb
U+PNUHy5jlf6M2RSjRnZJeuCFNEk+ZzSnDb2GC9OxwwEl2TZcmI5RYx5M6dEXjBoImBiY3nkBTRKjBqYkvYYD
SrJtuDAdo8b8mDBw1KYNRg00SXrnBSHjPzZrKDb0Gi5Mxw4HIGTbcGE6Ro3jYmqf71m7KUaU7JL0zgtQkkoJ
g1EDR5JewwEl2TZcmI5RoxTmbdpg1ECTpHdewJFUXcxoWNjQa7gwHTscUJJtw4XpGDW6xDRHBEa7JL0zg
s4kmoXMxg1QCTpNRxQkm3DhekYNTrGIC4XbfgQtffh4exdLjrOCyCSZp03mbWwoddwYTp2OKAk24YL0zFq
dl+pfzfGrO2o27ssdJwXQCQ1rGQwaiBI0ms4oCTbhgvTMWokwfgPgG3djsa9k6fjvIAgqbR0URs1SmlDr+HCd
OxwQEm2DRemY9RIhYk58cE2Fzak13AESbX3uDbf9arXcGE6djigJNuGC9PNHzUmuR+NDI7FcuU/yoRIqSKj
RnadLBbLTHFVowXT+vEQUyZicUl6DQeUxA4HIKTXcEBJtg0XpptbEqNGC4YTMaAkVYYDSmKHA0rSazigJNuG
C9MxaqTCcCIGIKTXcEBJ7HBASXoNB5Rk23BhOkaNVBhOxICS9BoOKIkdDihJr+GAkmwbLkzHqJEKw4kYUJJe
wwElscMBJek1HFCSbCOf6Rg1UmE4EQNK0ms4oCR2OKAkVYYDSrJtuDAdo0YqDCdiQE16DQeUxA4HIKTXcE
BJtg0XpmPUSIXhRAwoSa/hgJLY4YCS9BoOKMm24cJ0jBqpMJyIASXpNRxQEjScUJJewwEl2TZcmI5RlxWGEz
GgJL2GA0pihwNK0ms4oCTbhgvTMWqkwnAiBpSk13BASexwQE16DQeUZNTwYbr5o8Yk96PRwYufB8GyXex
wFouVuriq0YLhez5ASXoNB5TEDgeUpNdwQEm2DRemm1sSo0YLhhMxoCS9hgNKYocDStJrOKAk24YL0zFqp
MJwlgaUpNdwQEnscEBJeg0HIGTbcGE6Ro1UGE7EgJL0Gg4oiROOKEmv4YCSbBsuTMeokQrDiRhQkl7DASW
xwwEl6TUcUJJtw4XpGDVSYTgRA0rSazigJHY4oCS9hgNKsm24MB2jRioMJ2JASXoNB5TEDgeUpNdwQEm2D
RemY9RIheFEDChJr+GAktjhJL0Gg4oybbhwnSMGqkwnIgBJek1HFASOxxQkl7DASXZNlyYjEjFYTtMaAkVYY
DSmKHA0rSazigJNuGC9MxaqTCcCIGIKTXcDRJrr192TNcmI4dDijJtuHCdlwaqTCMGkcyiqW62OEgkvQaDijJtu
HCdPNHjUnuT2EBLzcfZ5cBXtmPkaxOKnsjsVgsk8VVjRaMm4Jbt6N077raVlxLHUrSaziapFLUsGe4MB07HFC
SbCOf6eaWxKjRgmHUiMEwagAOSgyGUQNTkl7DASXZNlyYjEjFYZRIwbDqAE4KJEYdjigJL2GA0qybbgwHaN
GKgnw4hgMowbgoERi2OGAkVQaDijJtuHCdlwaqTCcGMwjBqAgxKJYYcDStJrOKAk24YL0zFqpMJwl07BMG
oADkokhh00KEmv4YCSbBsuTMeokQrDiTgGw6gBOCiRGHY4oCS9hgNKsm24MB2jRioMJ+IYDKMG4KBEYtj
hgJL0Gg4oybbhwnSMGqkwnlhjMlwagIMSiWGHA0rSazigJNuGC9MxaqTCcCKOWTBqAA5KJIYdDihJr+GAkm
wbLkx3f9SY5H5eKXjxgc10yXZx7FgsVuriFNNmECdiumS6OHYsFit18QRKC4bLyzEYnkABHJRIDDscUJJewwEl
2TZcmG5uSYwaLRhOxDEYRg3AQYnEsMMBJek1HFCSbCOf6Rg1UmE4EcdgGDUABYUSww4HIKTXcEBJtg0X

pmPUSIXhRByDYdQAHJRIDDscUJJewwEI2TZcmI5RlxWGE3EMhIEDcFAiMexwQEI6DQeUZNtwYTpGjVQYTs
QxGEYNwEGJxLDDASXpNRxQkm3DhekYNVJhOBHHYBg1AAcIEsMOB5Sk13BASbYNF6Zj1EiF4UQcg2HUAB
yUSAw7HFCSXsMBJdk2XJiOUSMVhhNxDIzRA3BQlJHscEBJeg0HIGTbcGE6Ro1UGE7EMRhGDcBBicSwwwEI
6TUcUJJtw4XpGDVSYTgRx2AYNQAHRJLDDgeUpNdwQEm2DRemmz9qTHI/Gh28+AkRdMI2cexYLFbq4qpG
C4bv+WlWxNUAHJRIDDscUJJewwEI2TZcmG5uSYwaLRhOxDEYRg3AQYnEsMMBJek1HFCsbcOF6Rg1UmE4
EcdgGDUABYUSww4HIKTXcEBJtg0XpmPUSIXhRByDYdQAHJRIDDscUJJewwEI2TZcmI5RlxWGE3EMhIEDcFA
iMexwQEI6DQeUZNtwYTpGjVQYTsQxGEYNwEGJxLDDASXpNRxQkm3DhekYNVJhOBHHYOSjextraavHoV6+3
ULudoij29u6DGA7YA+XwQEI6DQeUZNtwYTpGjVQYTsQxmFxRI3yx31/s9xdLMJdCGDWOOXbscGFJeg0HIGT
bcGE6Ro1UGE7EMRIeqDEeb4evjEZDv+DBqHHMsWOHC0vSazigJNuGC9MxaqTCcCKOwQBGjV5vYwtr073I
qHHMsWOHC0vSazigJNuGC9MxaqTCcCKOwSBEjX5/cTQalmCMGq0YdjigJL2GA0qybbgwHaNGKgwn4hgM
wmWhrVEMBisIGKNGK4YdDihJr+GAkmwbLkw3f9SY5P4UfVdih1FhuuSiRvWVra3N8MWtrc2iKHZ2bma3C
LbY4SwWK3VxVaMFw/d8MRIEEYjT6UGvtxAubEy4qsEO1zm+eg0HIGTbcGG6uSuxarRgOBHHYHCiRni5Bq
MGO1yYjkc+Qem2DRemY9RIheFEHINBiBru7tYsJFGjFcMOB5Sk13BASbYNF6Zj1EiF4UQcgwG5LLQUKRg12
OHCdDzyAUqybbgwHaNGKgwn4hgMPwMfCFAiMexwQEI6DQeUZNtwYTpGjVQYTsQxGEYNwEGJxLDDASX
pNRxQkm3DhekYNVJhOBHHYBg1AAcIEsMOB5Sk13BASbYNF6Zj1EiF4UQcg2HUABYUSAw7HFCSXsMBJdk2
XJiOUSMVhhNxDIzRA3BQlJHscEBJeg0HIGTbcGE6Ro0kGDcL+2rYjsa969woMUmzDF8virAADQeUxKgBKEm
v4YCSbBsuTMeokQRTihosmVov5qkpo8ZcGEYNQEI6DQeUZNtwYbr5o8Yk96PRYSv7Efdk1vpcOcpX/v7t/f3b
64dRgxXZ59IlsFgsw8VVjSZA6SjYsB2Ne9e5Uakl/akowqoCasMHIOGAPRAzduxwYUI6DQeUZNtwYbq5JXEib
glwAhzJqKSXLzwo1GbNhpW00AMB+wBRg1ASXoNB5Rk23BhOkaNvBhOxDGY1FHjTzPOt9SubYTbiUkb7H
B2OJokvYYDSRjtuDA0yQDCfiGEzSqBGUz8SsbVS30xw42OHscDRJeg0HIGTbcGE6Ro1UGE7EMZJUUSMMF
tW0EbmdWYGDHc4OR5Ok13BASbYNF6Zj1EiF4UQcg5GJGj5bRJ5DqaWrBg52ODscTZJewwEI2TZcmI5RlxW
GE3EMRIHucBUGDnY4OxxNkl7DASXZNlyYjEjFYTcQxG7FqN5+a6VmNWxd8Tq3FQlJHscEBJeg0HIGTbcGE
6Ro1UGE7EMRjJO1AiL9Slp0O7S0WYjh0OKEmv4YCSbBsuTMeokQrDiTgGA/JcjbnpWh/loXFQlJHscEBJeg0HI
GTbcGE6Ro1UGE7EMRIQp4Uek64hcMRU/aM/WKy5Cu1/vEMMIB3n8NSS+NkHLeX/7VknwaX1ygepHKmy
H59Ylir7vwOL1VVxVaMF4/7nW7ejdO+62ISMS8eXlHpVw9U6T6DUBufp3gnTdSVJ5h8K2QFhOnZ4akmMGi
0YTsQxGIGZMem1GuGPjBq121G6d8J0jBqAkmJg7PDUkhg1WjCciGMwqWfGuT8DBc1wQEnsEBJBrCdOz
w1JIYNVownIhjMElnxnTP1ZA3HFASOxxQEqOGMB07PLUKRo0WDCfiGEzqqPHcjKjRvLABaDigJHY4oCRGDW
E6dnhqSYwaLRhOxDEYRg3AQYnEsMMBJTFqCNOxw1NLYtRowXAijsEwagAOSiSGHQ4oiVFDmI4dnloSo0YL
hhNxDEbmWo3qh8jzWo3jY9jhgJIYNYTp2OGpJTFtGA4EcdgxO5AqV4iCulA4KBEYtjhgJIYNYTp2OGpJTFtG
A4EcdgQJ6rUXokBqDhgJLY4YCSckWN0WhYVP6txuPtoij29u6H2xmPt3u9hWYut7V+fxHfcHZ4akmMGi0YvR
Nx/ZMoNNT6jMd+l54Wul551hajxtx90rodpXsnTHdCooZ7pTVq9PuL/f6i+1twW9nhqSXxMftt25/rigUfhB
9rjQec6lrPDjS7KPgopS2uG2K1cDr62tFhXera3Noih2dm66H5eWXiiKoiKM2dON2xqZ+dmURRbW5tnzpy+e
vVKdktZeYurGi0Ype/5lt8VCdN15cAsw7mqMQdGaYdj0nUlyS/UCTvQuqqxt3ffAQaDIXBVo7ry4QEIJkbh7PD
Ukhg1WjBKJ2JGDUaNSIzSDsekMx81/lu1ASLk6vUWBoOV6fTapZPRalhsODs8tSRGjRaM0on4ZEaNjIz3iBG
mU9rhmHSMGg7j/8S96C7aQDacHZ5aEqNGC0bpRMyoIWx4hxhhOqUdjkmnPWq4iFD61RrXy3n5UpgtXIIJ
Lw5FM5wdnloSo0YLRulEzKghbHiHGGE6pR2OSWc4apS20xw1irovd0RgK/oAACAASURBVD4F03B2eGpJjBo
tGKUTMaOGsOEdYoTpiHY4Jp32qDGdHhRFMR5vh7/yqSlyatSehen3F0M8muHs8NSSGDVaMEonYvNRw91
K576Wly9NpwlLy5f8pWfubn7/Rq10ntj/oXt9MrkXvvdY6KbLv3X1tamoyi9UevcyW43ZbjDMekMRA3X5P7
18KLOyKjR6y24f8mw3D+UDzFohrPDU0ti1GjBKJ2IzUeNc+ee8dOWCxmj0dBPC5/uHwwGKyEV7+HiWQw
WBkMVlzU8AD3Yrg1t0F/pnk83q7OpF052e2mDHc4Jt1xJLkedt9njBrT6cFgsBLm6dp8MOtmV/cQjtK6iCv/rg
DE8BJAacsJ0zFqpMlonYjNR42lpRdKt89NpWdu7nNRYDQaXr16ZTo96PcXw+vRXJloba0UNUrBZTo9Wftb9X/
FqKfo74TpjippNBq6uzPc+YVeb6HfXxyNhnjmjhrFBiYGxw1NLYtRowSidiM1Hjcnknj+d4c+PuFThcsbe3v1z556

ZHuaPsPybNn8GOnwP57bGqFE1XOPeCdMdVdlf//jFp/jB9/v9RddUy8uXxuPtvb37jBrCdOzw1JIYNVowSifikx
A1/I+j0dDIALcg0estuGWMM2dO+xUOFyNKCyHut6VVDdb/NME9cvXqFUUPj3gnTzSdpc3Ot31+8fv3vfY8xag
jTscNTS2LUaMEonYjNR43w4gkfNdwVoH4ZY2npBfd+MfzbXm/BvxIfNXithtK9E6abW9J4vP3446cYNXLrScN
TS+LHLLWU0g+jEpYt71J4B8q5c8/418PPdqr97KhJcLrEf15UFeb+NrwDxf9qa2tzaekFyZ01Nnas1lrn5wWybB
VXNVowSt/zmV/VQDO8Q4wwndIOx6TrShJXNYTp2OGpJTFqtGCUTsSMGsKGd4gRplPa4Zh0jBqAkmJg7PDU
khg1WjBKJ2JGDWHDO8QIOyntcEw6Rg1ASTEwdnhqSYwaLRilEzGjhrDhHWKE6ZR2OCZdJ5JczvB1Ah2Qp2O
Hp5bEqNGCUToRM2oIG94hRphOaYdj0h1fUilnNKCnKw5koWOHP5bEqNGCUToRM2oIG94hRphOaYdj0h1T
kg8WoeENacOeA7no2OGpJTFqtGCUTsSMGsKGd4gRplPa4Zh0jBqAkmJg7PDUkhg1WjBKJ2JGDWHDO8QIO
yntcEy640gKIwWjhjAdOzy1JEaNFozSiZhRQ9jwDjHCdEo7HJOQxqAkmJg7PDUkhg1WjBKJ2JGDWHDO8QI
OyntcEw6Rg1ASTEwdnhqSYwaLRilEzGjhrDhHWKE6ZR2uDxd7b0hZkrpoNieUiYNLx+z31JKPyHC/GegsLoqjl1
MZY8CMmmDhVPGxperGi0Ype/5uKohbHiHGGE6pR0uTOcm6/392ybL7Z26QemQDrDD3aAUxe7xC2F8GT
VaMEonYkYNYcM7xAjTKe1wYTpGDcBB6ZAOsMMZNTJjhOmUTsSMGsKGd4gRplPa4cen6/cXi6loimJv7z6jR
uShaDzeLg6/xuNt7T0QAtA6nFEjM0aYTulEzKghbHiHGGE6pR1+TLrRaLi8fGk6PRiPt/v9RUaNYePRYLayGKzY
6IESAK3DGTUyY4TPlE7EjBrChnelEaZT2uFd0Y3H28vLlxg1lg9Fy8uX3JJGr7dgpgemkB3eGjWeeGL39dd3Hzz
Y3d3dffBg9/XXd594glGDEzGjhul5oUOMMJ3SDu+Ezp1DGY+3GTUiD0W93oI7b7K8fKI2eUNdD3gAWoc3R4
Onntj9zW92S1+/+U192mDUyDmQkRilE7H5qLG2tlo8+IV6mzUYrPhfHX/Jlx2udO9iYL3ews7OzWaMWNT48
MNFx7x4YX//9m9/+8/nzz99/vzTv/3tP+NEDf+9Ww0y0wOAHd4cNVZXv4gXq6u7RbF75coXP77+OqMG2EB
GYpROxCKaoQv9vuL/f6i+97IDLedvb37zWmDHa6xw49JF15zUEQ84Egsajz//OL165fdN7duvXbr1mvmnzz+N
EzX8P93y8qXRaKi6B0oAtA5vjhrvvru7u7v77rvlVx48YNQAG8hljNKJ+ARGDXdtvPu+318cDFb8dgaDIVmnlrty
oEOMMJ3SDj8+nb8DZTQaHjNqdBglikOWs2efLL0yd9269Zpf4XM5Zu6o4e9A8bFedQ+EALQOb4gaX/vaF2s
Yb7315xdff/2LF599IIEdaSAjMUon4hMeNurbYdRoHjhfdDvRuHcdBko4avz2t//8/POLnUSNW7de86nFJZhq2
ka4FOWIA+zwhqjxve99kSp++tOaUyrf+x6jBtJArmlYNTqkSxo1+v3F0oqu306vt1B7XrIDBzrESNKVoobJWu/u
0c4CUeP55xd/+MMXL168sLFxY3//9k9+8g8+c8xX588/fevWa/7HO3dGYfIlo0YnlX24EapLPxujhrtQo/bqDbi
oMcn9pHfwc2TXQa4bHmXqpeFFkVx9eqVKnJp6YU9/P/MSv7jKxr0l8XiRoffvjR69cvu5zhkseHH/76OBs8e/
bJO3dGpVfSRY31lv+gW2q5DqNG5tkG5w0W4Hu+KVC1OqXryoFJ3arGaDQsHn2C4eTwMQC1jzXs1oEOMZJ
OpVmyYTsa967DTa1LRY3Oq7Sq4V6pjRrQbQVDOSAO7zxq5DWcUaMFw6jRIV3SqDGdHvR6C+GdJm49Y2/vv
oADHWIk6Rg1ljG1UePONZE7bG9s3HB3qAKWuybUf7OxccMvmTBqhAC0vYuJGrxWQ3o30mEYNTqkE4ga/
nINd39Ba87oyoEOMcJ0SjctmG7Wqsb5808XRVEURekkBVSFd6DUqkU4FOWIA+zwhqjx7LM1d6D8/Oe8Ay
X9bqTDKJ2IT2DUcCdQ3PfuvalgOwFKUtrhwnTNJ1C0F8KhKC8dYlc3RI2i+OJ55OFzNdZDQ/lcDa1tqnQiPiFRo
/TI1zCqv6ougXTrQlcYYTqIHs5Mx6gBOCgd0gF2eHPU4NNC8+xGOozSidh81EAzvEOMMJ3SDhemY9QAHJQ
O6QA7vDIq8DNQ8uxGOozSiZhRQ9jwDjHCdEo7XJiOUQNwUDqkA+zw5qjh0sZPf/rn55Hzk10ldiMdRulEzKg
hbHiHGGE6pR0uTMeoATgoHdIBdnhr1lgvhPFI1GjBKJ2IGTWEDe8QIOyntMOF6Rg1AAelQzrADmfUylwRpl
M6ETNqCBvelUaYTmmHC9MxagAOSod0gB3OqJEZI0yndCl+mVFj/dFn+gK2E6AkpR0uTMeoATgoHdIBdjijR
maMMJ3SiThL1Mj7IQJTRo25MEo7XJiOUQNwUDqkA+zw+abB5hkyo+H8GKqWchNxdhngsrPnDF/h1Jl9FFS
U0g4XrpMQNbKbzAqr86iRd3e4qtGCUfqt3hVo0NMA+xPRRFWFZA3y6P1QCRGaYcL052EqKFuUDqkY4enl
sSJuAWjdCK2FzVcvPDLH7VpY77FQy0OJMIo7XBhOkYNwEHpkI4dnloSo0YLRulEbCqxIeJG+H3zdmLShgoH0
mGUdngndHt79/v9xZhNMWqIDUoWOqsdjiOUaMFo3QithQ1wvUMf/akYW2jup3mwlHvQFKM0g4/Pp37
fD5GDUaNaqdEOh5LEqNGCUToRG4sa4XpG9UxK5HZmBQ58B5JilHb48ekGgxWuajBqelDhVUOQxKjRglE6EZ
uMGtUTKEeKgq6qgQPfgaSYyA4vil2Ne9cMY9Rg1PAaw3uHIIIRowXDqCGMqCk6jRquSveAgTuQFMooEbM
pRg2xQcLCBziHY9IxaqTCMGoIY6qw6hmT5vtQ4uni74k94R3uHzuobu+aYQ1RY9atTNlJaaNGCjrAORyTjIeJFY
ZRQxhTCyutZMTfgRJdH3aXijBdc6u4hOFXNZoDB+DeNcNmRY1ZOaM2bVv/frk4/LpzZ7S/f/vixQsbGzdCTBH
81cWLF86ffzp7vGDUKAEM7x2CJEaNFgyjhjBmFizmuRpz0zUcV3AcSIRpjRpuOz5hWloatZja4+6stHH9+uWL

Fy+472/des1FioaoUf0VQjFqAM7hmHTzR41J7sevgpfSxzYrld1cpaeFdr795veyrdX8wHVWrlrv4inO64cJwwP
cQfrs2SdLh+07d0azosb165cBc8Y+H0zOSl9srzaDnisKhcdspbKzV3gUmeP4IP2wyirV+rzBsbUxZkWNWasa7j
wLowbrZBZPoLRg3ITVuh20vYuRLW/mMR1o/QyUTuhKhxwoB1JgGlrfnyuZPHoHyqxzKIB7N8emwnEvvdie6q
uGSxKyo4fDueg6oqt1lqEFJTQc4h2PSzS2JUaMFw6ghjJkFS3qtRvgjo8Yjv+W1GsGLpZyxv3/7+vXL/hrPO3dGR
VHcuvVaw7Uad+6MahdCGDXy0gHO4Zh0jBqpMlwawphaWNI7UFQ4kA7TGjUM34EyC9N8bqV0nL548UJx
+OXvQPgvuGBRBH+1sXEDLW0wagDO4Zh0jBqpMlwawpgqLN1zNbQ4kBQT0ypWn6vRgInMGTAkUQNwDs
ekY9RihWHUEMZUYSmeFqrLgaSYyA43+bTQelzhnMGoMYWcwzHpGDVSYRg1hDFVGKNGUgyjRgyGUQNw
UDqkA5zDMekYNVJhGDWEMVVYV5/sirB3gJKUdrgwHaMG4KB0SMcOTy2JUaMFo3QiNhY1wrRR/RHB8KQ
OJMUo7XBhOkYNwEHpki4dnloSo0YLRulEbClqTB89hXK5pCFseGoH0mGUdrgwHaMG4KB0SMcOTy2JUaM
Fo3EiLt0SimPmcRylea5G6WYBwHYClKSxw+XpGDUAB6VDOOnZ4akmMGi0YjRNxzAObkWt9xn2GpaeFln47Z
dSYC6Oxw+XpGDUAB6VDOswOnzUTzIHZDedz79ue3P5cUaj6MJHsQSFRzoiscOrMPhYqSl2HZ6mTEDWym8
wKq8OcgTC+XNVowWh8z1c6eOOY2ZUDswyv/mvJGC7vQlcYJR0uT3cSooa6QemQDrDD3aDsdlEI48uo0YLR
OBEzajBqxGM0drg8HaMG4KB0SAfy4YwamTHCdEon4hjZ8mYanheEHegQo7TDhekYNQAHPUM6wA5n1Mi
MEaZTOhEzaggbLuxAhxilHX58ul5voSiKoihGoyGjRuShaG/vvjOt31800AMhAK3DGTUyY4TpIE7EjBrChgs70C
FGaYcfk24wWBkMVR5wI0JcG6OGc7LXW3DfLy9fGo2GqnugBEDrcEaNzBhhOqUTMaOGsOHCDnSIUdrhHd
L1eguMGjGHop2dm/3+olsN8pnDRg8AdvgRosbq6q77+t73GDU4ETNqdDkv7OzcLA6/lpcvTR99m9XvL/q3q
uPxdmmx1/+he30yuVcEX24OHY2G4YtbW5uOnoj0K5cDHWKUdnhXdp3+ouETKHfujL72tf9vRz/85B/mixpF
UeZt3Z9OD5aXL/llle09MIXs8Nio8eyzuw8eMGol7UY6jNKJ2HzUOHfumfF42/3oQsZoNHSZYzo9cPnD5YPBY
CVc6Q0TiVtFd1HDA9yL4dbcBt0MO50ejMfb4a+yONAhRmmHH5/OXXbgushq1PiP/3jrpz/939X6t3/7v3Ova
rjvj/NfgNMDIQCtw6OiRpgzGDUEdiMdRulEbD5qLC29UD1V7BYk3CQ4Gg2vXr0ynR70+4s+JUwFUnvt1aKG
qXgMp0erK2t+r9i1FC0d7NgLmfEb0pp1Iis+ENRr7fgVzV4rUZS5S1R44kn/nzehFFDbDfSYZROxOajxmRyz5/O
8O+0XKpwk+De3v1z556ZHuaPsAaDfBcyTREyhua4waVcM17t0sWOlc2NxR4/z5p2/des19v7Fxo4CMI7du
veb39Pr1y8eJGrwDRWzvWqKGzxpHuy++y6jhtBupMMonYhPQtTwP45GQ5cD3IKef+N15sxp8Lh5sfS+zD
329Kqht9mmCeuXr3CqKfX77raVGvU2Ni4cfHiheypoJZnnD37pP/x7Nknq2kD4VCUlW6ww6Oixrvv7j777O5
bbzFqCO1GOozSidh81CiCiyd81HBXgPpljKWIF/r9RX9Jh6teb8G/Eh81CuvXahiu9e4+RWJW1Lh167V0OePD
D399nD8P113292/fuTMKk0cYNTqp7MONUB36uTurfVzj3dXV3See2C0KHVFjktDZcDLtU52GSdEdnyFd6Cc
O/eMf/3MmdNXr15x36+trRZ1HzLk//DMmdP+IRLG/a3/2tra9L/a2tpcWnohuwNdVfZ5Wcukvz4jaly/frkoiq
6ixsbGjbNnnzx79kmXD37+8/9TTQZHqrNnn7xzZ1R6JV3UWC/yD7qlltuNqbiokXmegXqDFYPj8p6vdTtoexcj
W97MrhwANFzYARouTLc+O2qcP//0/v7tixcvbGzcOH7UeOyxL7llkrNnn/zhd198/vnFblc13Cu1UUPdoHRIB9
jhnUeNvIYzarRgGDWEMTEwQMOFHaDhwnQNUcmfyKvrB3NUccHszLiE86jlrgn132xs3KhGloRDUV46wA5n
1MiMEaZj1BDGxMAADRd2giYL08VEjTt3RkVRHDNthFHj+DkjTBvhV0kkwqEoLx1ghzNqZMYI0zFqCGNiYICG
CztAw4XpZkWNzqsoCncCx9TOv2RohAORXnpADucUSMzRpiOUUMYEwMDNFzYARouTCcWNdzFH6Vi1Eh
NB9jhjBqZMcJ0jBrCmBgYoOHCDtBwYTqxqJGIEA5FeekAO5xRlZNGmi5RQxgTAwM0XNgBGi5Mx6gBOCgd0
gF2OKNGZowwHaOGMCYGBmi4sAM0XJiOUQNwUDqkA+zwI0SntkiYX0aNFgyjhjAmBgZouLADNFyYjIEDcF
A6pAPscEaNzBhhOkYNYUwMDNBwYQdouDadowbgoHRIB9jhjBqZMcJ0jBrCmBgYoOHCDtBwYbr1Tp82jVn
qBqVDOsAONza+lJ8mo5Nyx+zsMk6lbbYLS7LnAIHKbjrLGPjy1WNFGxXNYQxMTBAw4UdoOGYdMeXdKT3o
yYdyELHDk8tiVGjBcOolYyJgQEaLuwADceko6YkHyxCwxvShj0HctGxw1NLYtRowTBqCGNiYICGCztAwzHpGD
UAJcXA2OGpJTFqtGAYNYQxMTBAw4UdoOGYdMeRFEYKRg1hOnZ4akmMGi0YRg1hTawM0HBhB2g4Jh1X
NQAlxcDY4aklMWq0YBg1hDEXMEDDhR2g4Zh0jBqAkmg7PDUkhg1WjCMGsKYGBig4clO0HBMuuNL4h0o
WejY4aklMWq0YBg1hDEXMEDDhR2g4Zh0nUiKzBmGHZCnY4enlsSo0YJh1BDGxMAADRd2giZjOnUlqTVkm
HdAmI4dnloSo0YLhIFDGBMDAazRc2AEajknHqAEoKQbGdk8tiVGjBcOolYyJgQEaLuwADceky9QAIBQDY4enl
sTn3reU0g8TUSqbxTqxde/eO/57hA+tYLE6LK5qtGC4qiGmiYEBGi7sAA3HpDuqpNFOBoN//jh/+73F5966h

u93sL1638/5aqGOB07PLUKRo0WDKOGMCMYGBmi4sAM0HJPuqJIGg5XBYGVzc+0HP/i+e6XfXxyNhowawnTs
8NSSGDVaMIwawpgYGKDhwg7QcEy6+aLGaDR0ixn+FUYNYP2eGpJjBotGEYNYUwMDNBwYQdoOCbdUS
WNRsNeb+Hxx089/vip7e1/ef/9248/fmo83s4VNYrga3n5kv9tr7cwHm9PJvf6/cXxeDv8w8Fgxf+Jw/hdGwx
WPGx5+ZL/w15vweFHoyFID7DDU0ti1GjBMGoIY2JggIYLO0DDMenmk/THP/73eLz9/vu3x+NtdzzOvqrR7y/
u7d133y8vX/lxohQ19vbu93oL/seiKNx23J/4qOGyhftDt2zjk00Ww2sBSltOmI5RIxWGUUMYEWMDNFzYARq
OSdeVpLxRw12s6r9fXr7k1iRqVzVKcWEyube3d99twUWN0Wi4t3c/XNXwdGFMWys4Ozy1JEaNFgyjhjAmBj
aZ3FtbWy0e/SpNW3t79/2vwoVcGw7IG2547zJK2tu771YywtRbu583avh/Jb9o0RA1psFpl9Fo6LftCALF0bkLY
IUNbwAobTlhOkaNVBhGDWFMDMxHjfdFn+x31/8swNFsba2Oj3MHA2TmkYH5A03vHcZJY3H248/fuqpp7
7hutdV3jtQwogQXodRFMXOzs3aqOGr31/c2blZ3c700ajh/iUbtPPO8AaA0pYTpmPUSIVh1BDGxMBqo8Z4v
O1fGQxWer0Fv53BYCVMIQYckDfc8N7lITQeb4cXYLrKGDxCqzR8zVrVGI2G4X9WTNRwOQOtB9jhqSUxarRg
GDWEMTGw1qjhz6H7x0bLkDT6IC84Yb3Lruk6pJbxqhRe/1EGDX8locLGeHKR8wJFHfFqP/KYngtQGNLCdMx
aqTCMGoIY2JgtVEjPPXb7y/6q9ynh2+kqu/V9Dogb7jHvQOUIP0OIOWOCNOxw1NLYtRowTBqCGNiYJO6y0JL
N9dVo8asc8MaHZA33PDeAUpi1BCmY4enlsRP9GkppZ9bpIR2fLmoUX1la2tzMrl37twzV69e8b/a2bnpLmrL
LpvFiql1ftway1ZxVaMFw1UNYUwMbFJ3AmV6uJgx5bUaCQw3vHeAkiL/fw07IEzHDK8tiVGjBcOolYyJgTVED
Xe5RvUOllaHBWlOQN5ww3sHKlIRQ5iOHZ5aEqNGC4ZRQxgTA6uNGqPRMHylKlqrV69M+VyNjgw3vHeAkh
g1hOnY4akIMWq0YBg1hDExsMmMy0LDe0z4tNBuDe8d4CSGDWE6djhqSUxarRgGDWEMTEwQMOFHaD
hmHSMGoCSymDs8NSSGDVaMIwawpgYGKDhwg7QcEw6Rg1ASTEwdnhqSYwaLRhGDWFMDAazQcGEHaDg
mHaMGokQYGDs8tSRGjRYMo4YwJgYGaLiWAZqck45RA1BSDlwdnloSo0YLhIFDGBMDAazRc2AEajknHqAEoK
QbGDK8tiVGjBcOolYyJgc0y3D1j0RdgOwFKOo7hNvYOUBKjhjAdOzy1JEaNFoz7n2dJ1noxT00ZNZLRcSIWlsS
oIUzHDK8tiY/Zb6nsx92TVutz5Qxf+/u39/dvr/MjJfiay/0vZlfbYnVvXNXogM5ZCbV3ke+KhM08pgN/Koqwqo
Da8AG1d+xwwL0DIBT5/2vYAW6dnhqSZyIO6ADbFN7UcPFC7/8UZs2GIY7QPaOHQ64d4CSGDWE6djhqSU
xanRAB9imxqJGKWSE3zdvJyZtqHAgLx1gh2PSMWOASoqBscNTS2LU6IAOsE0tRY1wPcOfPWlY26hupzlw4D
uQnQ6wwzHpGDUAJcXA2OGpJTFqdEAH2KbGoka4nIE9kxK5nVmBA9+B7HSAHY5Jx6gBKCKGxg5PLYIRowM
6wDY1GTWqJ1COFDVcVQMHvgPZ6QA7HJOOUQNQUgyMHZ5aEqNGB3SAbcQo0UwXBg58B7LTAXY4Jh2jB
qCkGBg7PLUKRo0O6ADb1FjUaLgsdL6o4Sr+nli0lhOmA+xwTDpGDUBJMTB2eGpJjBod0AG2qaWoMa0sbM
TfgRJDh3aXciAdYldj0jFqAEqKgbHdu0ti1OiAdrBNjUWNadXzNeama30gB4IDGekAOxyTjIEDUFIMjB2eWhKj
Rgd0gG1qL2pMI54WeKy6hsARUwJPbWedqEr9DwX4P56LDnAOx6SbP2pMcj8anZWl3FVSXYa6Wq98kMqR
KvvBiWWpsv87sFhdFVc1OqBzVkltnZuq0Mw8pgOpVzVcrfMESH3A8N4BStJrOKAk24YL080tiVGjAzrANrUX
NZJeqxH+yKhRCzC8d4CS9BoOKMm24cJ0jBo56QDb1FjUSHoHigoH8tIBdjgmHQ0HIGTbcGE6Ro2cdIBtailqp
HuuhhYHstMBdjgmHQ0HIGTbcGE6Ro2cdIBtaixqPDcjQvbAC2E6CkGBhgh2PS0XBASbYNF6Zj1MhJB9imjB
rChid1IDsdYldj0tFwQEm2DRemY9TISQfYpiaxjE/2RVh7wAlxcAAOxyTjoYDSrJtuDAdo0ZO0As2NRY1/vToxR
l/4rUaj77DMeloOKAk24YL0zFq5KQDbFNLUWP66DmUyCUNYcNTO5CXDrDDMeloOKAk24YL0zFq5KRD9P
SLaE4Zh7HgZjnapQeiQHYToCSymBoHQ5LR8MBJdk2XJiOUSMnHVqbZn+g8jFrcZjv0tPC12vPGuLUSMRHVq
Hw9LRcEBJtg0Xpps/akxyPxqd1W1lDwqJckZkhR9fkn0sWCwWizXhZ6B0QuesxNm70sEbx8zUhnNVQ9hwG
3sHKEmv4YCSbBsutDe3JEaNDujQ2pRRg1FDxnAbewcoSa/hgJJsGy5Mx6iRkw6wTWNChryZhg0XdoCGY9LR
cEBJtg0XpmPUyEkH2KaMGsKGCztAwzHpaDigJNUcG9MxauSkA2xTRg1hw4UdoOGYdDQcUJjtw4XpGDVY0
gG2KaOGsOHCDtBwTDoaDijJtuHCdlwaOekA29R81NjZuVkcfi0vX5pOD5aXL41GQwfo9xeLw8tCx+Ptfn/xEX
MOv9zrk8m9lvjq9Ram04PRaBi+uLW16SiKR79yOSBvuOG9A5Sk13BASbYNF6Zj1MhJB9im5qPGuXPPjMfb7
kcXMkajocsc0+mByx8uHwwGKz6CTB9NIPBymCw4qKGB7gXw625De7t3Xffj8fb4a+yOCBvuOG9A5Sk13BA
SbYNF6Zj1MhJB9im5qPG0tILYYBw5RYkXBQYjYZXr16ZTg/6/UWfEqHsaK0tVLUKAWX6fRgBW3V/xWjhrG9
A5Sk13BASbYNF6Zj1MhJB9im5qPGZHLpN87w50dcqnA5Y2/v/rLz0wP80dYg8FKeK5k8ugJFLc1Ro2q4Vb3D
ICSXsMBJdk2zykAgQAACVpJREFUXJiOUSMnHWCbnoSo4X8cjYyU7gFiV5vwS1jnDlZ2q9wuBhRWghxvy2ta

vhthnni6tUrjBpW9w5Qkl7DASXZNlyYjEjJx1gm5qPGuHFEz5quCtA/TLG0tIL/f6iv6TDVa+34F+Jjq8VsPw3gF
K0ms4oCTbhgvTzR81Jrk/hYWWVolzUyC4jXYV3oJw794x//cyZ01evXnHfr62tFnUfuub/8MyZ0/6VEsb9bXgHiv
/V1tbm0tIL2R1gsVgsLcVVjQ7onJVQe2d+VQPNcGEHaDgmHQ0HIGTbcGG6uSUxanRAB9imjBrChgs7QMMx
6Wg4oCTbhgvTMWrkpANsU0YNYcOFHaDhmHQ0HFCsbcOF6Rg1ctIBtimjhrDhwg7QcEw6Gg4oybbhwnS
MGjnpANuUUUPYcGEHaDgmHQ0HIGTbcGE6Ro2cdIBtyqghbLiwAzQck46GA0qybbgwHaNGTjraNmXUEDZ
c2AEajklHwwEl2TZcmI5RlycdYJsyaggbLuwADceko+GAKmwbLkzHqJGTDrBNGTWEDRd2glZj0tFwQEm2DRe
mY9TISQfYpowawoYLO0DDMeloOKAk24YL080fNSa5n1fKSIHmH0zOYrFYLC3Fo5HNYtRgsVgsFkxBEoHdM
5KqL3jCRRhw4UdoOGYdDQcUJjtw4Xp5pbEqNEBHWCBMmolGy7sAA3HpKPhgJJsGy5Mx6iRkw6wTRk1hA
0XdoCGY9LRcEBJtg0XpmPUyEkH2KaMGsKGcZtAwzHpaDigJNuGC9MxauSkA2xTRg1hw4UdoOGYdDQcUJjtw
4XpGDVY0gG2KaOGsOHCDtBwTDoaDijJtuHCdlwaOekA25RRQ9hwYQdoOCYdDQeUZNtwYTpGjZx0gG3K
qCFsuLADNByTjoYDSrJtuDA00ZO0sA2ZdQQNlZyARqOSUfDASXZNlyYjEjJx1gmzJqCBsu7AANx6Sj4YCSbBs
uTMeokZMOsE0ZNYQNF3aAhmPS0XBASbYNF6abP2pMcj8anZWi+BkoLBaLxQlprmp0QOeshNo7rmolGy7s
AA3HpKPhgJJsGy5MN7ckRo0O6ADbIFFD2HBhB2g4Jh0NB5Rk23BhOkaNnHSAbcqolWy4sAM0HJOOhgNKs
m24MB2jRk46wDZl1BA2XNgBG05JR8MBJdk2XJiOUSMnHWCbMmolGy7sAA3HpKPhgJJsGy5Mx6iRkw6w
TRk1hA0XdoCGY9LRcEBJtg0XpmPUyEkH2KaMGsKGcZtAwzHpaDigJNuGC9MxauSkA2xTRg1hw4UdoOGYd
DQcUJjtw4XpGDVY0gG2KaOGsOHCDtBwTDoaDijJtuHCdlwaOekA25RRQ9hwYQdoOCYdDQeUZNtwYTpGjZ
x0gG3KqCFsuLADNByTjoYDSrJtuDA00ZO0sA2ZdQQNlZyARqOSUfDASXZNlyYbV6oMcn9KSysFMWPW2Ox
WCwWSHFVowM6ZyXU3nFVQ9hwYQdoOCYdDQeUZNtwYbq5JTFqdEAH2KaMGsKGcZtAwzHpaDigJNuGC
9MxauSkA2xTRg1hw4UdoOGYdDQcUJjtw4XpGDVY0gG2KaOGsOHCDtBwTDoaDijJtuHCdlwaOekA25RRQ9
hwYQdoOCYdDQeUZNtwYTpGjZx0gG3KqCFsuLADNByTjoYDSrJtuDA00ZO0sA2ZdQQNlZyARqOSUfDASXZ
NlyYjEjJx1gmzJqCBsu7AANx6Sj4YCSbBs uTMeokZMOsE0ZNYQNF3aAhmPS0XBASbYNF6zj1MhJB9imjBrCh
gs7QMMx6Wg4oCTbhgvTMWrkpJNVU5ckOimN46t3XgCUZNtwYToaDijJtuHCdPNHjUnuR6Ozjlod5gx+VAq
LxWKxUhdXNTqgc1Za3TtASXoNB5Rk23BhOhoOKMm24cJ0c0ti1OiAjm1Kw/UOim3DheloOKAk24YL0zFq5
KRjm9JwvYni23BhOhoOKMm24cJ0jBo56dimNFzvoNg2XJiOhgNKsm24MB2jRk46hDaNufwzu5mWDM/rA
A3HpKPhgJJsGy5Mx6iRky57m8bfbJLXTDOGZ3eAhmPS0XBASbYNF6zj1MhJxza14XoHxbbhwnQ0HFCsbcOF
6Rg1ctKxTWm43kGxbbgwHQ0HIGTbcGE6Ro2cdGxTGq53UGwbLkxHwwEl2TZcmI5Rlycd25SG6x0U24YL09
FwQEm2DRemY9TISQfYpyv4NWHdHr2g4Zh0NBxQkm3DhenmjxqT3I9GZ3Ve/HwTFovFYuEUvZu6oHNW
Wt07QEi6DQeUZNtwYToaDijJtuHCdHNLyTogI5tSsP1Doptw4XpaDigJNuGC9MxauSkY5vScL2DYttwYToaDij
JtuHCdlwaOenYpjRc76DYNlyYjoYDSrJtuDA00ZOOrYpDdc7KLYNF6aj4YCSbBs uTMeokZOObUrD9Q6KbcOF
6Wg4oCTbhgvTMWrkpGOB0nC9g2LbcGE6Gg4oybbhwnSMGjnp2KY0XO+g2DZcmI6GA0qybbgwHaNGTjq
2KQ3XOyi2DRemo+GAKmwbLkzHqJGTjm1Kw/UOim3DheloOKAk24YL0zFq5KRjm9JwvYni23BhOhoOKMm
24cJ080eNSe5Ho7NYLbaLxTJcXNXogM5ZaXXvACXpNRxQkm3DheloOKAk24YL080tiVGjAzq2KQ3XOyi2DRe
mo+GAKmwbLkzHqJGTjm1Kw/UOim3DheloOKAk24YL0zFq5KRjm9JwvYni23BhOhoOKMm24cJ0jBo56dim
NFzvoNg2XJiOhgNKsm24MB2jRk46tikN1zsotg0XpqPhgJJsGy5Mx6iRk45tSsP1Doptw4XpaDigJNuGC9Mxau
SkY5vScL2DYttwYToaDijJtuHCdlwaOenYpjRc76DYNlyYjoYDSrJtuDA00ZOOrYpDdc7KLYNF6aj4YCSbBs uTMe
eokZOObUrD9Q6KbcOF6Wg4oCTbhgvTMWrkpGOB0nC9g2LbcGE6Gg4oybbhwnTzR41J7k9hYbFYLBaLZbi4
qtEBnbPS6t4BStJrOKAk24YL09FwQEm2DRemm1sSo0YHdGxTGq53UGwbLkxHwwEl2TZcmI5Rlycd25SG6x
0U24YL09FwQEm2DRemY9TIScc2peF6B8W24cJ0NBxQkm3DhekYnXLSsU1puN5BsW24MB0NB5Rk23Bhu
rkl/X8WQVT8y6jYmAAAAABJRu5ErkJggg==" width="503" /> </div><div
style="text-align: center;"><span style="font-family: "times" , "times new
roman" , serif;"><span style="font-family: "times" , "times new roman" ,
serif; font-size: small;">
</div><div>

3. Video simulasi

[Kembali]</div><div> </div><div class="separator" style="clear: both; text-align: center;"><object class="BLOG_video_class" contentid="77aa0c4d5ac32e0c" height="266" id="BLOG_video-77aa0c4d5ac32e0c" width="320"></object></div>
</div><div>

4. Prinsip kerja rangkaian

[Kembali]</div><div><h4 style="text-align: left;">Rangkaian

T-flipflop dibuat dengan menggunakan J-K Flip-flop yang inputnya

dijadikan satu. pada percobaan ini Arus dari power mengalir ke B2 menuju

clock dimana sesuai dengan kondisi yaitu berlogika 1. lalu pada B1 dan B0 inputnya yaitu berupa clock , untuk B1 outputnya dihubungkan

pada S dan untuk B0 outputnya dihubungkan pada R ,saat rangkaian

dijalankan nilai dari S dan R itu berubah-ubah dikarenakan clock tadi. R dan S akan aktif jika berupa aktif low atau berlogika 0. karena pada rangkaian ini nilai R dan S nya 1 maka R dan S nya tidak aktif. lalu input sumber yang berlogika 1 akan mengalir menuju J dan K. karena J dan K nya berlogika 1 maka pada output yang dihasilkan pada Q itu berubah ubah dan pada Q[^]

berada pada logika 1, perubahan nilai output dari Q ini disebut juga dengan kondisi toggle.
</h4>

5. Link download

[Kembali]</div><div>link html

link rangkaian</div><div>link video simulasi
</div><div>link datasheet jk flip flop</div><div>link datasheet switch</div><div>

</div>