Task A.1
O Student 10: 9563426
R1 = 10
R2 = 6
Ry = 4
Rs = 5 R6 = 3
P= 0.080745W (checked by hand as 80.745mW)
Task A.2
Pm:n = 0.047619W, with combination R=[3746510]
Task A. 3
Pmin = 0.047619 W with combination R=[57463 10]
This is inclosed as above (3 and 5 switching is equivalent).
while nothing needed to be changed in this specific task, some minor changes had to be made for task A.Z. Notably,
changing resistor array, fixing a remaining 61 = 120 long and
changing resistor array, Exing a remaining 61 = 120 long and charging the order that R was being Fed into the Dijkstra function by replacing line "R = Find_next - perm (R)".
Task B.1
P= 0.027064W (altached)
Task B.2
(attached)