MAX, MIN =1000, -1000

def minmax(depth, node, maxP, values, alpha, beta):

if depth ==3:

return values[node]

if maxP :

best =MIN

for i in range (0,2):

val=minmax(depth+1, node\*2+i,False,values, alpha, beta)

best=max(best,val)

alpha=max(alpha,best)

if beta<=alpha :

break

return best

else:

best =MAX

for i in range (0,2):​

val =minmax(depth+1, node\*2+i,True,values, alpha, beta)

best=min(best,val)

beta=min(beta,best)

if beta<=alpha :

break

return best

if \_name\_ == "\_main\_":

values = [3,5,6,9,1,2,0,-1]

print("The optimal value is :", minmax(0,0,True,values,MIN,MAX))