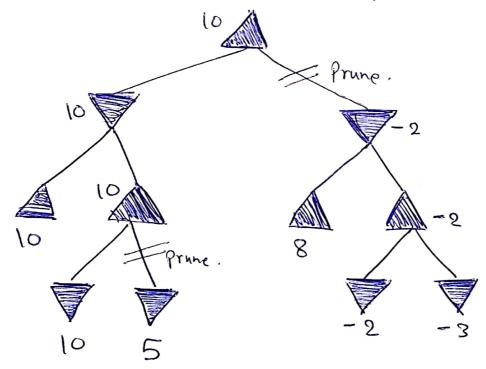


## Millim Task 2-6 °

The Knowldge given: Man utility value = 10 I know, mak value = (0)

Men u = -3

If we know that made whility % 10 then, we do not need to explore the other childs (successors) Be cause we know when we look to graph below we can figurout that left branch gives value of 10 to make node So, we don't need to explore the right branch and therfore will be fround.





## Task38

Pseduo Code ?

Function Min-Value (S) return utility value

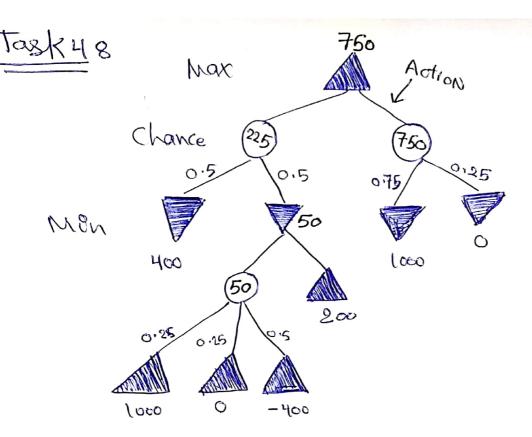
if terminal-test (S)

return utility (S)

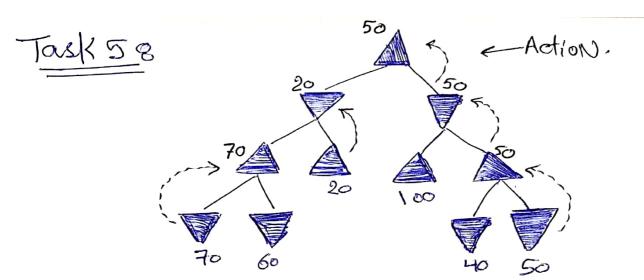
return Max - Value (Deep Green Move (S))

Since, I do have function that Can return state of Deep Breen nove than I can perform 94 to Search less Nodes whether The movement of perfect or Not.

"I Deep Breen play of time! I tratigy then will return Manmay tree, inother Hand, will visit fewer Nodes if Deep Green plays Sub-optimal.



$$(0.25*100)+(0.25*0)+(0.5*-100)=250+0-200=500$$
  
 $(400*0.5)+(50*0.5)=200+25=225$   
 $(1000*0.75)+(0*0.25)=750$ 



the Best Possible outcome \$100? For Max player. the worst , , 850 } for Max player.

If the opponent play Random Streetigy.

but if opponent play optimal stratigy
then

Bost possible outcome 350

worst possible outcome 850

Initially Set 1:5t & assign Reel -> (D) D E F B A C RBG RBG RBG RBG RBG D E F B A C

GB GB RGB GB GB ASS FSS ESS CSS Step28 D E F B A C
B GB RGB GB Avcs Checked CASE DASE FASE BASE EXC BAC DAC AST BAST EXT D>FC>13 E>B A>B E>SB A->BE-BC-BBBA FINA DINA DONE !!



$$A \rightarrow Green$$
 $C \rightarrow Blue$ .