



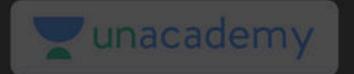


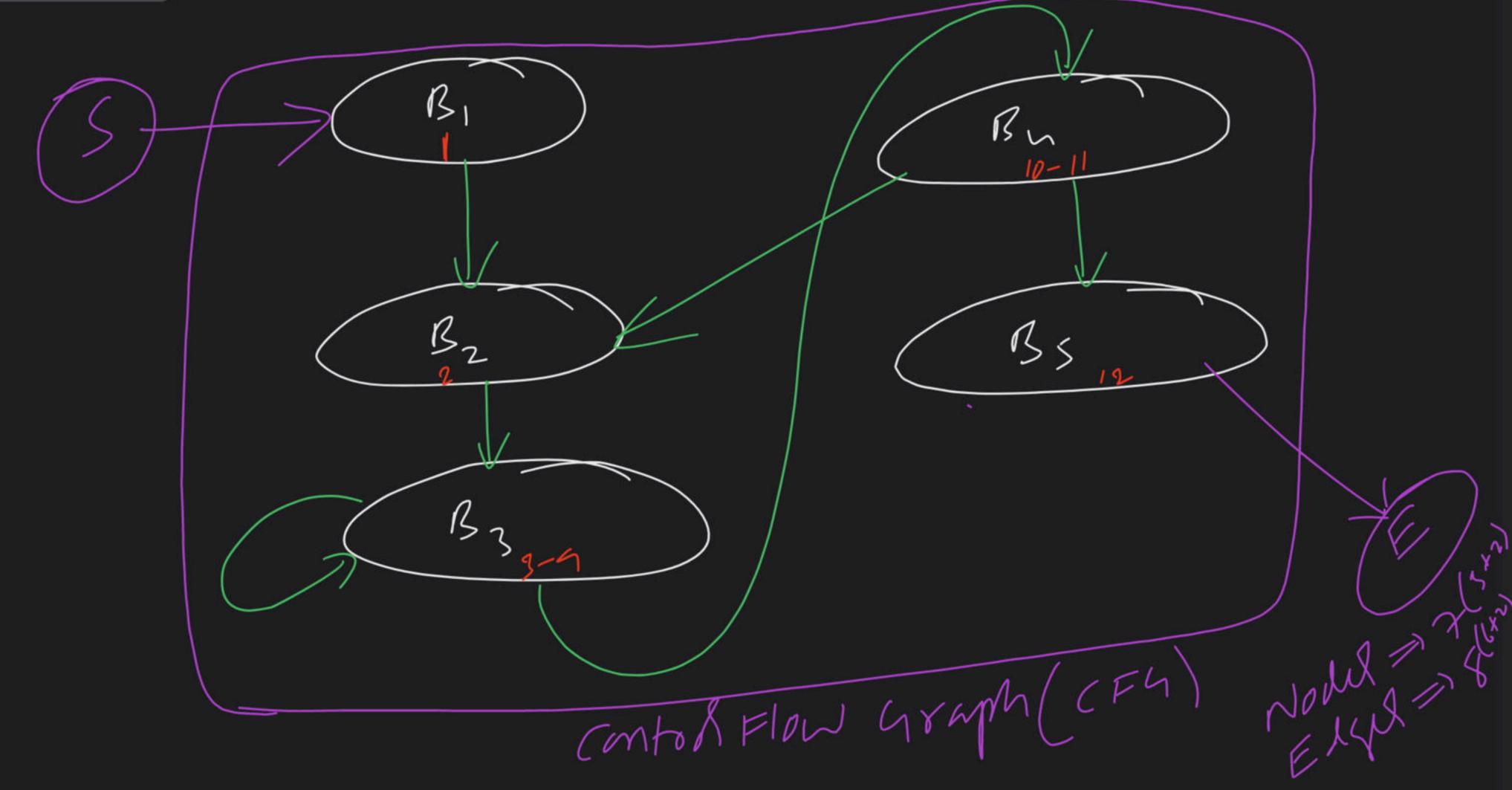
Runtime Environment

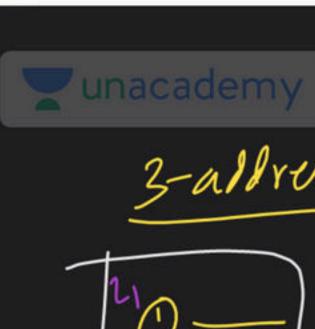
Complete Course on Compiler Design

unacademy

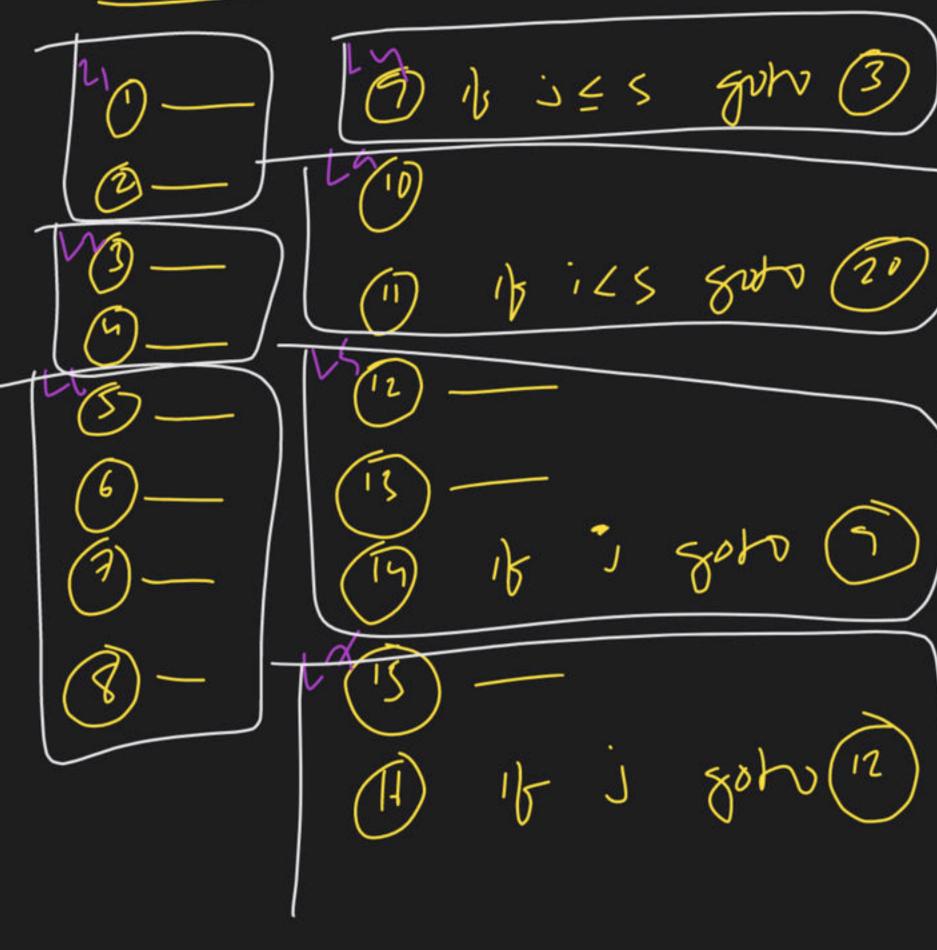
In a Choit

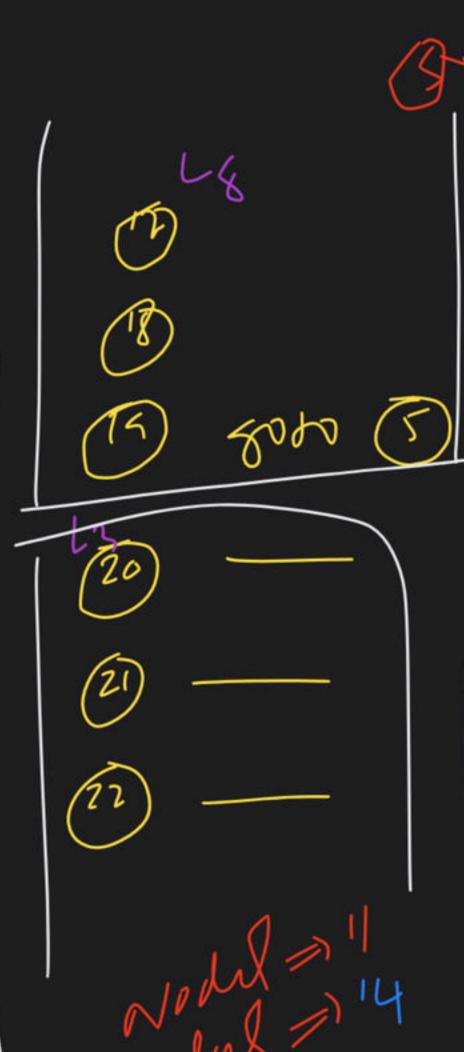


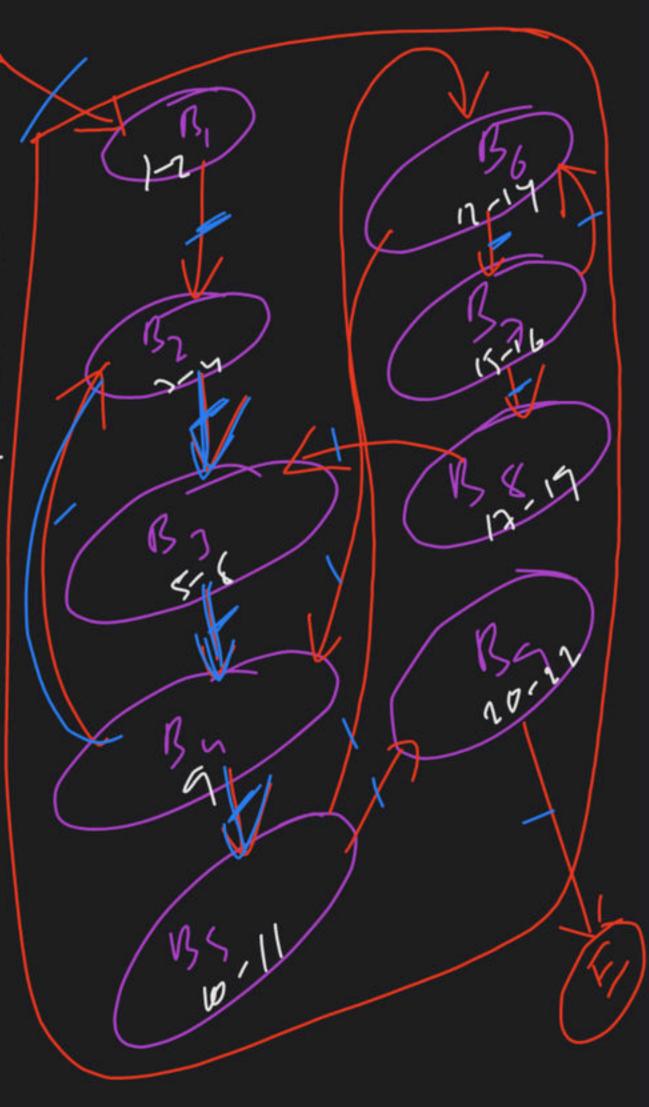


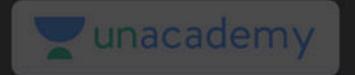


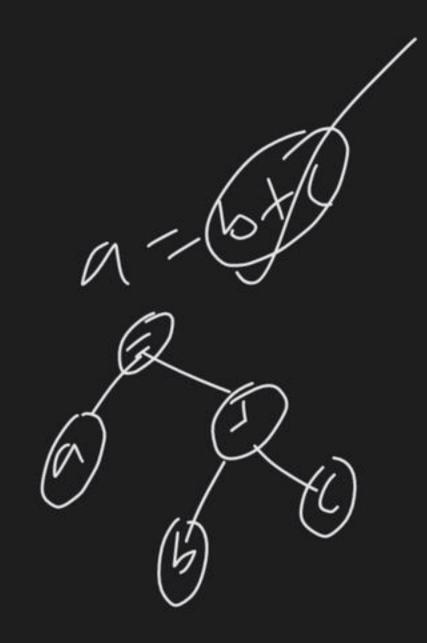
3-allrells code

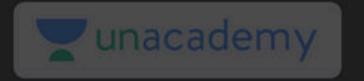












consider the following Basic Block

$$a = 6+c$$

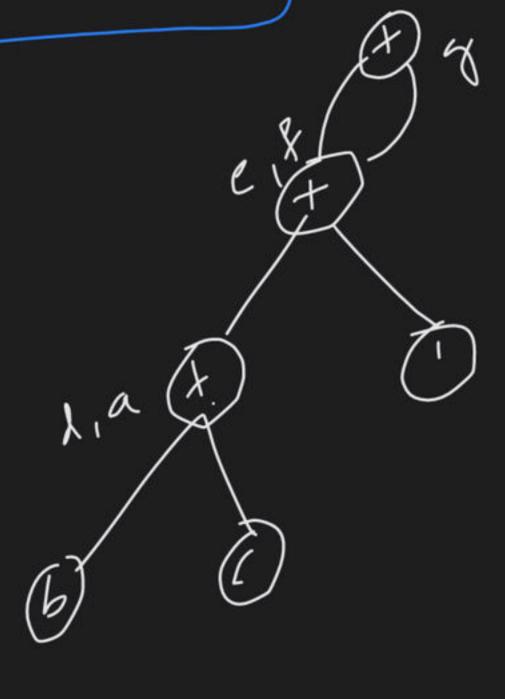
$$c = a+1$$

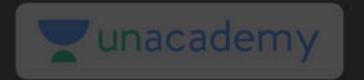
$$d = 6+c$$

$$f = a+1$$

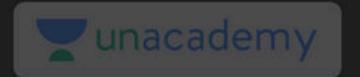
$$g = e+f$$

Tird Norts node (

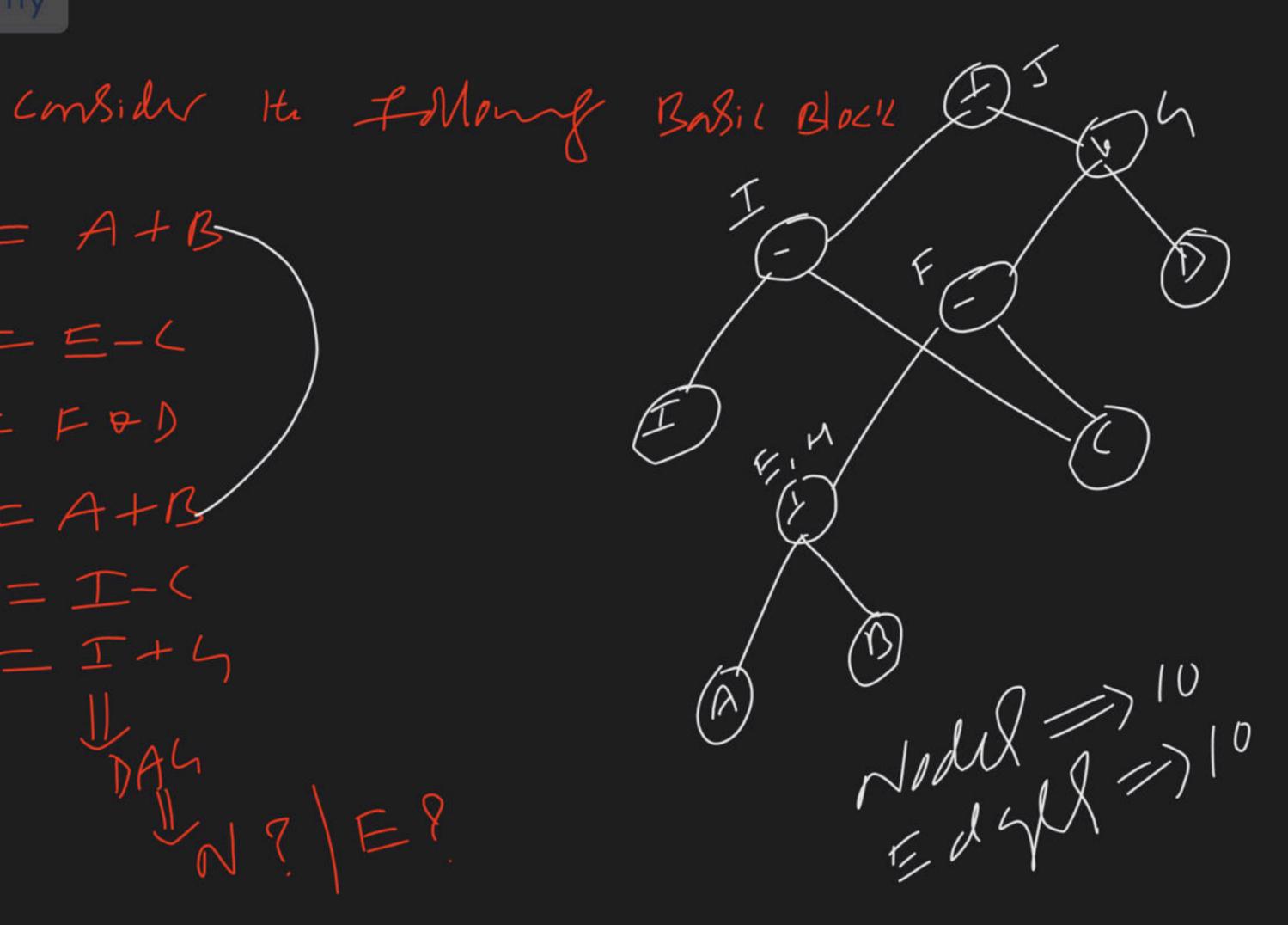


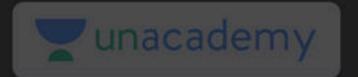


consider the following 3- allred code a=6+c C= a+d



9 = FDD H=A+B I = I-(



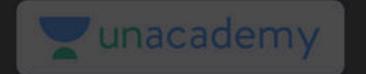


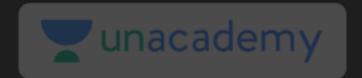
For a C-program accelly xsijsijsizz it tollong I.C ik generated by a compiler. Alle integer 4B, chen = 1B

 $t_0 = i \times 1024$ $t_1 = j \times 32$ $t_2 = K \times 4$ $t_3 = t_1 + t_0$ $t_4 = t_3 + t_3$ $t_5 = x_2 t_3$

which me Os It Follows is correct c-sectortion for It about data?

(a) (12) [32] [8] (b) (12) [32] [32] [8] (c) (ch) [4] [102] [32] (ch) [4] [72] [8] (ch) [4] [72] [8]



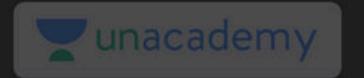




ix nx hank hank 1- mu 5062 than



Convent Assomp code into SSA



consider to follow 3-aldress code

$$P = a - b$$

$$9 = P \lor C$$

$$P = N \lor V$$

$$V = P + V$$

$$V_{1} = P_{1} \lor C$$

$$V_{2} = P_{1} \lor Q$$

$$V_{3} = P_{1} \lor Q$$

$$V_{4} = P_{1} \lor Q$$

$$V_{5} = P_{1} \lor Q$$

$$V_{7} = P_{1} \lor Q$$

