mid term 2 1) compatible activity with latest start time 01 assure there is an optimal solution in Soi (oi EOPT) $S = \{a_0, a_1, a_2\}$ $S = \{a_1, a_2\}$ $S = \{a_1, a_2\}$ $S = \{a_1, a_2\}$ $S = \{a_1, a_2\}$ $S = \{a_2, a_3\}$ $S = \{$ |B'| >|B| | Oi \$30: B') B |8'+\(\xi\) | B+\(\xi\) | B+\(\xi\) | B' \(\xi\) | B | Oi | B | Soi but B | 5 OPT 2) Consider $a_1 0-2 a_4 4-7$ 1 2 11 23 3-4 0 2 3 4 not all confatible, disard ay greed Sol { a3} OPT { a1, a2, a4} ay Scarder then a, -> then az

Q2 1) largest = 10 Second largest = 9 2) 11 [10,5] ii) [9,8] iii) ComPare largest A, with 2nd Az & Largest Az with 2nd A. Save valves of both conditional 8 Compare both updated values 3) max val (A[0.0.n-1]) if i = len (A[o...n-1]) & when end of arr lenares ren(A[i...n-1]) return i array [0 12 3-] Temp1 = anx Val ((... lenarr)/2) Tem92= nax val lemont. (1+)+1...lenar Mis if A [temp]] A AtemP2 return AftenPI ClSe return A [tem?2]

63 V = [1, 10, 15, 20] $J \neq 5$ V = [1, 2, 3, 4] $i \neq 4$ $i \neq 6$ V = [1, 2, 3, 4] $i \neq 4$ $i \neq 6$ V = [1, 2, 3, 4] $i \neq 4$ $i \neq 6$ V = [1, 2, 3, 4] $i \neq 4$ $i \neq 6$ V = [1, 2, 3, 4] $i \neq 4$ $i \neq 6$ V = [1, 2, 3, 4] $i \neq 4$ $i \neq 6$ V = [1, 2, 3, 4] $i \neq 4$ $i \neq 6$ V = [1, 2, 3, 4] $i \neq 4$ $i \neq 6$ V = [1, 2, 3, 4] $i \neq 4$ $i \neq 6$ V = [1, 2, 3, 4] $i \neq 4$ $i \neq 6$ V = [1, 2, 3, 4] $i \neq 6$

TF 25 3,15