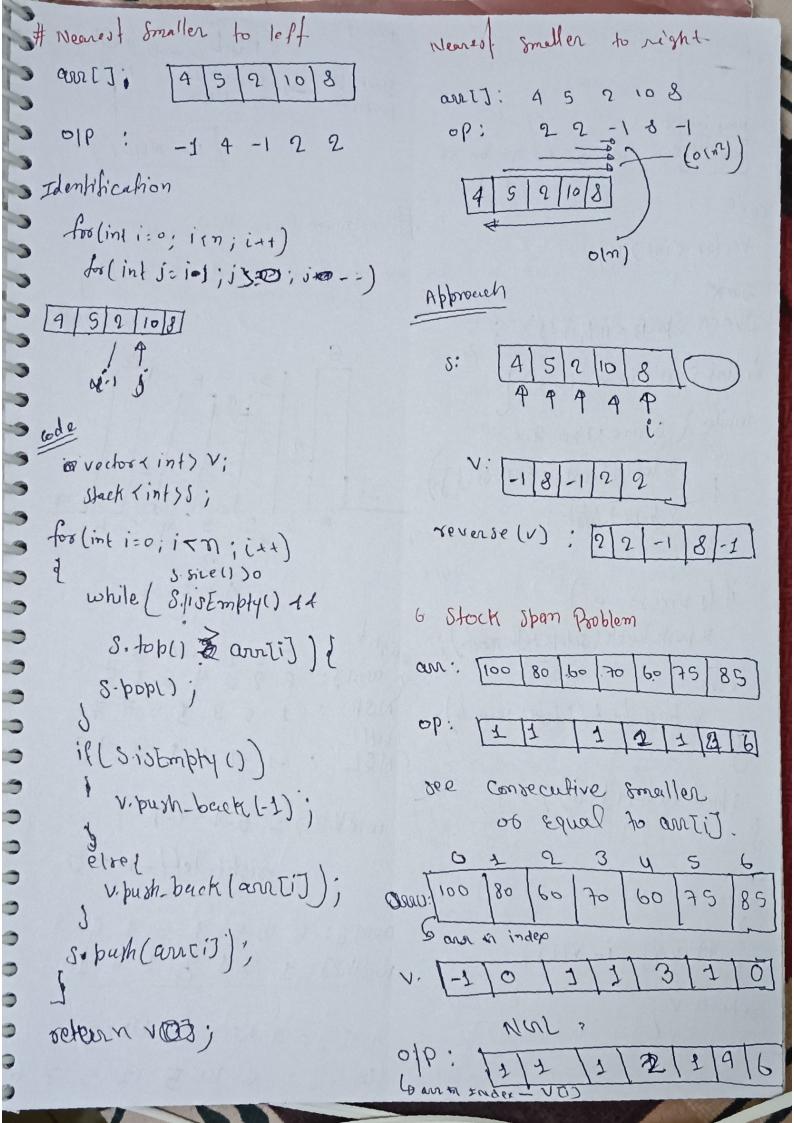
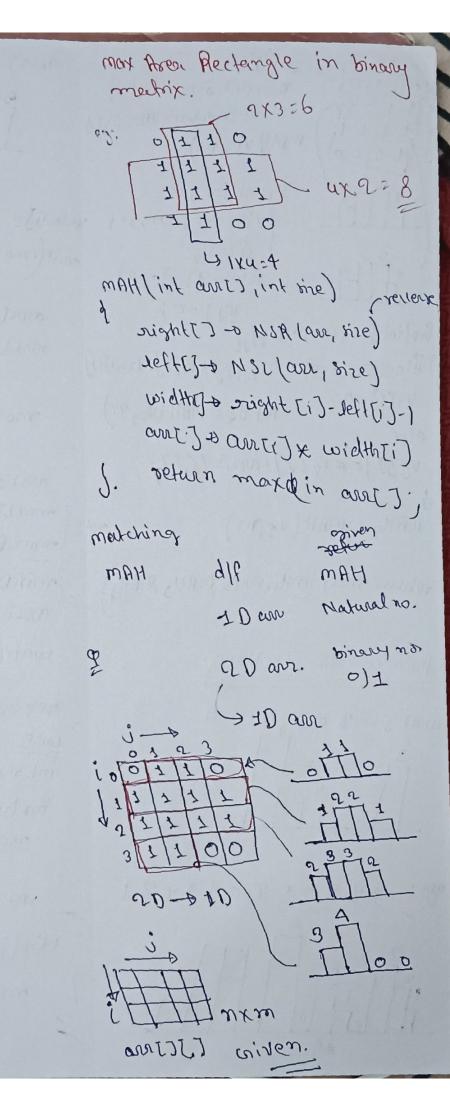
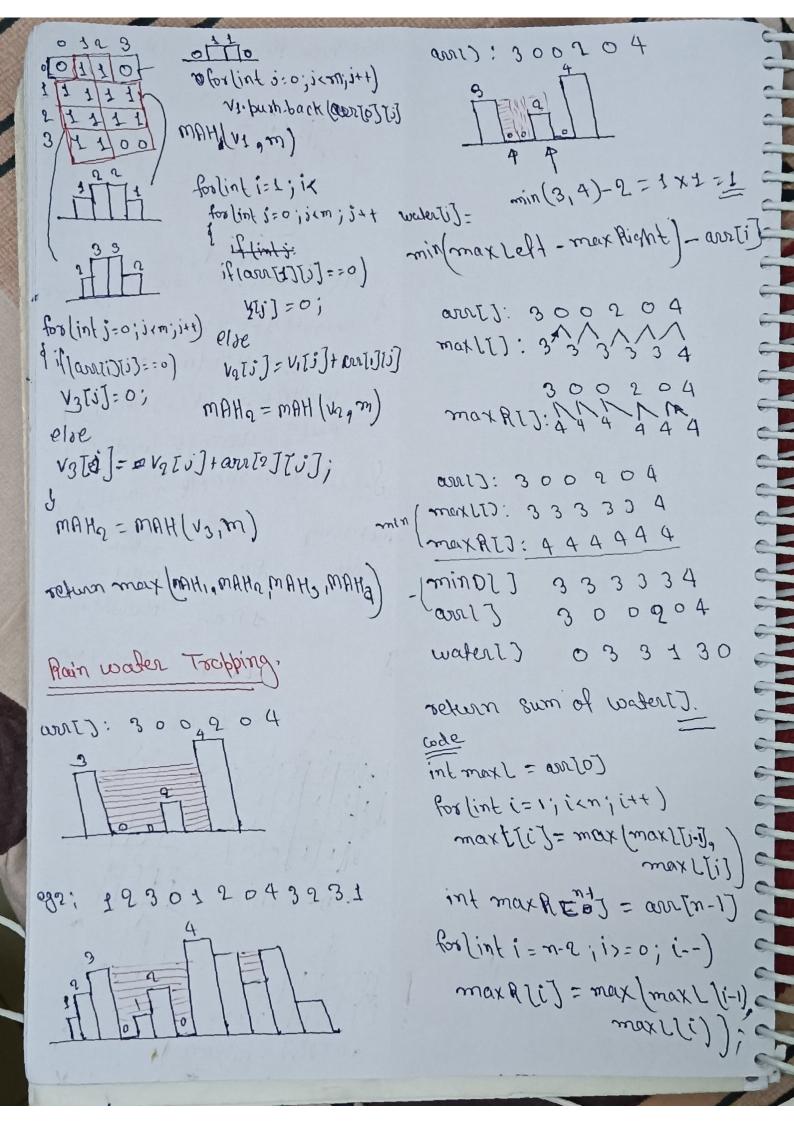
Stack Concept - I. 6. Rain water trapping ! Meane of meader to left right 7. Implementating a main 9. 11 Smaller 11.1,
9. Stock Span broblem Speek 8. amplementating steak using 4. mertimum area of Histogreem I the celebrity Boblem 5. maximum area of rectangle 10. longest valid branenthesis 11. Idenative TOH. Identification Com col II T. Array < Heath Stack for (inti=0; i + n-1; i++) II 0 (m2) for [ int ] = i+1; j(m ; j++) ; depends on i > for (inti=o; ixn; ita) for (intj:ojjenji++) 181 i, str debend aref a sel & 9 1 1 3002 4 8 in stack question. sppl) 1960 = i, j II depend town | 0 ex. for (int 1:0; itn; itt) for ( int j=0 id < 1 i j++) 1 4 A A i embt P Nearest greater to Right. ant ]: 1324 OIP: 324-1 vertor v: 1449 Identification of slack. 1300.124 3. J. top() & evali] of pop() Stack vector of bush compare ho rhee he

Sepol () Vector[]: @ -1 4 4 9 OP: 344-1 if ( distre () = = 0) d v. push. back (-1); we reverse (v. begins) , v. Bind 11) return v; este ( v. purh-back (s. hope))j Vector in bury three steb. S. burh door (enri)); Stack empty-p-1 Stopl) Javalij -o S. topl) Stol) ( arrli] Dis pop stack to return reverse (v. begin),
v. end ()) unifill is stack empty cheath ii) s.top() greater than arrij. Nearest corrector to left. Code vector (int > V; ants: 1324 Stack < int > S; op -1 -1 3 -1 for (int i= size-1; i>=0; i-) d if (s. size() == 0) vector lint > v; 2 v. push. back (-1) j stack (int) S; for (int i=0; ix convision); (++) else if (S. sizeL) you s.fopi) ancis) while (8.81281) =044 8-top() (anti) v. buth. back (s.top()) 8. popl). else if (sisizel) >0 14 s.top() < courtil 1 if (S.isEmptyc)) while (S. size() to 44
8.top = anti] v. bush-back (-1); spurm(enris); v. purh-back (anris)



sum of (NGL) corecited Spack Shan -5 Smaller problem Nucl, index 2 11- NOLI NINL index t 2F 00 of 00 08 001 code Hmaximum Area Histogram Vector (int) V; ours: 6 2 5 4 5 1 67 Sack Spack (pair (int, int)) S; for (inti:0; ixn; ix+) while ( 3. size 1) >0 44 S. top(). first < = avortij) S. pop(), fist; if (s. sizec) = = 0) V. bush back (setope) Second.); right 01234566254516 ( ant]: 1 5 3 5 5 7 7 NSA V. push back (S. to pl.). second); (Left) -1 -1 1 1 3 -1 5 CNSL s. bush (arrij,i); width[] = 5-1=4-1 = right-left-1 = 3 Pos (intico; icv. xize(); i++) anity: 6 2 5 4 5 1 6 1 Por VII] = i - VII] width[]: 1 5 1 3 1 7 1 refurn V ; (Inthioux CIrons = [Inco ancz = 6 10 5 12 5 7





minimum Element in Storck with extra space. 18 19 29 15 15 16 Abbroach. stack Kint > J; Stack (ind') Sz: inf gelmin () [ if (Jn. direl) = 0) return-1; return of topi); void buth (int a) sipush(a); if (sq. 8izec) == 01/ a <= Sq. tops) Sq. push(a); J return ; int popl) { if (d. size() == 0) return - 1; if mf and = s. top() J. popl), of (cmore = sa.topl)) Sq. pop(); relation ans;