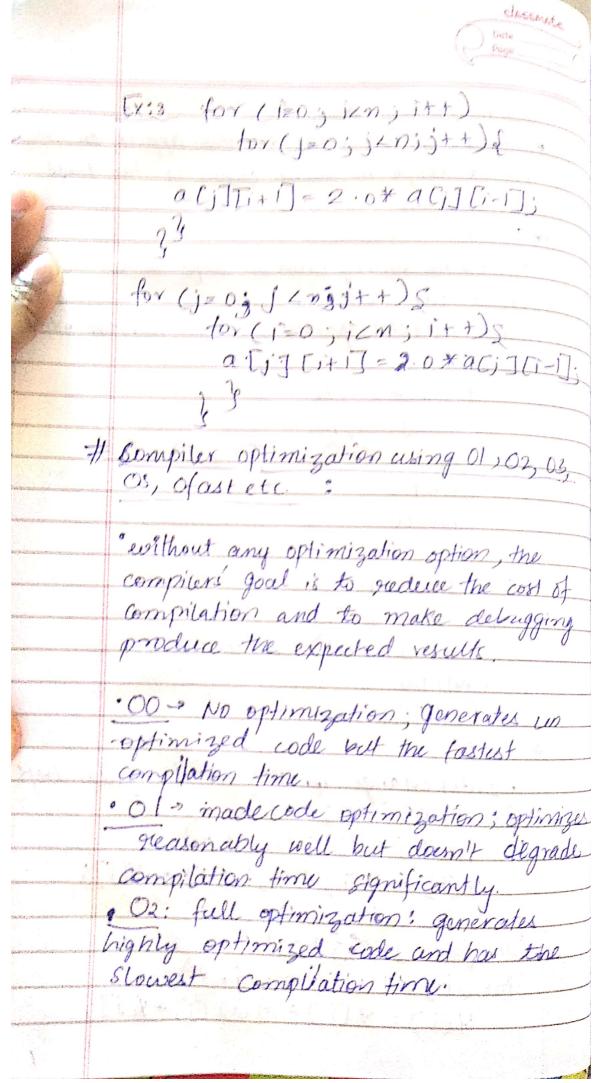
alexy part	alisanita
	Qin _
02	Joop interchange advantage:
	* Interchange is transformation and it
	mested loops in which conduct of the loops
	is Changed
	* EX.
	· Switch the nesting order of loops in a
	perfect loop mest
	- can increase parallelism, can improve yated
	locality
	po I = 1, N
	00 J-1, M
	S: A(I, J+1) = A(I) + B
	ENDDO:
	END DO
	The second secon
	DO J=1, M
	00 I=1, N
	S'. $A(T, J+1) = A(T,J) + B$
	END DO
	END DO
	* Ex:2:
1	for (i=0; i=n; i++)
	for (i=0) i=n; i+1)
	YCI] = YCI] + ACIJCIJ* XCI];
	for (j=0; j <nj; ++)<="" td=""></nj;>
	for (1=0,5) < 1,0 (1) (m); [++) for (1=1) + 1 ; i < m; [++) YEI) = YEI] + ACIJ (I) * XEI];
	46,75,70,00



eggressive automatic

inlining of subprograms within a

unit and attempts to vectorize loops.

Ob ! optimize space usage of

resulting program.

• Higher optimization levels perform

more global transformations on the

program and apply more expensive

analysis