

Question L 4.1) The degree of concurrency is how many tasks can be executed simuloaneously. This will be limited to a mount of processing elevents are lable as anything beyond of ut will be scheduled and will this have an inpuct on the moning time. V 44) Take de example of the tile sliding Each more can be done in parallel as rone of the roves depend on each other The performance can be drascically affected if the solution is very far into the solution State-space. Also the completely work solvers nil be explored even when it's obvious that that the paroreular branch mill not give the right answer. (incomplete) 4.5) Take the example of finding the inexe of a nation a ralid natrix and stores to compute the inese but Ends only rear the end stat the determinant 15 O. All that corputation will be mosted one

Question 3.1

See 2 doc = 
$$e^{x}|_{5}^{50}$$

=  $e^{50} - e^{5}$ 

= 5,18 x10<sup>21</sup>

5,18 x 1021 = 0,001 %.

DC = 5,18 x 1021 x 0,001070  $= 5,18 \times 10^{16}$ 

( Visition 4.2.

Using the Riemann Sum solution program, as the number of threads is increased to It's nax processing elevents, the time to complete the solution decreases. As it vises over the number of processing eleven os, the time to complete the solution is increases.

Take the Rieram Sum Solution

The work could be disorbuted by 100 \$ and = to N

But the computation of takes larger as the number grows. So a rore balanced nork load rould be all even number sperations and all odd number iterations. This may the work done between the 2 threads is distributed were fairly

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openijajava ramojamiska karantara ka	14 (fix)	2
	3/	0
	3-2	0
	4.2	0
	4.3	0
Consideration		