Kope Rinnan Hall Kakel tottah 17012296 a) Matrix Mult for i,j. k=1....n do in farallel C [i, j, k] = A[i, k] x B[k, j] for l=1... log n do for i,jk=1...n & K=1...n/2 if (2K modulo 2)==0 then C[i,j,2k]= C[i,j,2k]+ C[i,j,2k-2 end for b) No the solution would be the same C) Yes cost optimal $T(n) = O(\log n)$ $f(n) = n^3$ $(ost = 0 (n)^3 \log n)$

PRAM (ACI h], X	Jet n=2K
FNAM (ALI M.), A) 6
A[1]-X;	
	K:
for 2	$(x^{-1}) \leqslant j \leqslant 2^{i} - 1 do m$
ACiT	- A[j-2(i-1)7
end for	J. J.
end for	Kari Dilank
end for	La Manuelle and Marie
end	
	= () Tary (& f ())
state of the	solu Line is
	- A 300
540	at a how retain a feet of
() = O (hop.)	C 18 col word Till
	110
1 34 301 2 PA CAL	
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