## CS350 Hw3

1 31 133 16 ( 654 times Loup(n) SEO for if 1 to n2 5 ← 5+i  $T(n) = c_1 + c_2 n^2 + c_3 \left( \frac{n^2(n^2+1)}{2} \right) + c_4 \left( \frac{n^2(n^2-1)}{2} \right)$   $= c_1 + c_2 n^2 + c_3 \frac{n^4 + n^2}{2} + c_4 \frac{n^4 - n^2}{2}$  $t(n) = \Theta(n^4)$ 

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