And
$$T = \{a\}$$
 Henother List de finition $a^{(k+1)} = a^{(k)} = a^{(k)} = \frac{1}{\|A\|^2}$ AT $(Aa^{(k)} + b)$

for $k = 0, 1, 2, \dots$

$$A^{(k+1)} = a^{(k)} = a^{(k)} = a^{(k)} + a^{(k)} = a^{$$

A E P M X N Comput ations 11A112 -> computed in mn time (assuming we fro beyous vorus) -> computed in mn time correct each 1 A Onder votations Now for Ax (k) -> mn steps (100 (mn)
steps
steps Ax (K) -b -> m steps AT (An (11) -b) -> nm steps 1 AT (An(k)-b) -> n steps $\chi(x) = \frac{1}{\|A\|^2} A^T (A\chi(x) - b) \longrightarrow n steps$ n (K+1) = sum j 2 mn + m + 2 nsteps To compute 2 x (11) } k (2mn+m+2n) steps

-> O(kmn+km+kn) steps (Ans).