Arunina lingh Thakur, 180905218, 31, C, Computer Science, EEFM Assignment 1 Registration No. ends with 8 So question no. 5 Question 5 · Selling price per kg after installation = \$17 · Production after installation = 34,000 · Saving from employee = \$500 per month . Useful life 2 5 year . Maintenance carts = 53000, 1=12% $|eg| = (1 + \frac{12/6}{12})^{12} - 1 = (1.01)^{12} - 1 = 12.6\%$ 80, 34000x17 34000x17 34000x17 34000x17 1 2 3 4 5 6,50,000 53,000 \$3000 53000 53000 So, each year total CF is 2 34000 x 17 + 6000 -53000 = 5,31,000 Now P = A(P/A, 12.6%, 5) $= 531,000 \left[\frac{(1.126)^5 - 1}{0.126(1.126)^5} \right]$ = 34**13**806.39 (1-126)5 2 \$ 18,86,080 So, the maximum amount we can spend on the new process control system is \$ 18,86,080