Exercitiul 2 Folosind "Métoda Sectiumii de Aux gasiți valoarea x core minimizează funcția: $f(x) = x' - 14x^3 + 60x^2 - 70x$ în intervalul [0,2] au a precisie E = 0.3

$$\begin{cases} \lambda_1 = \alpha_1 + (1-\lambda)(\beta_1 - \alpha_1) = 0.382 \cdot 2 = 0.764 \\ \lambda_1 = \alpha_1 + \lambda(\beta_1 - \alpha_1) = 0.618 \cdot 2 = 1.236 \\ +(\lambda_1) = +(0.764) = (0.764)^4 - 14.(0.764)^3 +60.(0.764)^4 \\ -40.0.764 = -24.36 \end{cases}$$

$$\begin{aligned}
& \left[\left| \frac{1}{4} - \alpha_{1} \right| = 2 > \varepsilon \\
& \left[\frac{1}{4} (\lambda_{1}) \angle \frac{1}{4} (\mu_{1}) \right] = \left[\frac{1}{2} \alpha_{1}, \mu_{1} \right] = \left[\frac{1}{2} \alpha_{1},$$

ITERATION (

| R2-a2 = 1,236 > E f(12) > f(12) => [a3, 63] = [12, 62] = [0,472, 1, 236] (A) 13= 112 = 0,764 M3= 93 + od (las-93)=0,472+0,618.(1,236-0,472) M3=0,944 f(13) = f(0,764) = f(42) = -24,36. f(43)= f(0,944) = -23,59 | lag- ag = 0,764> E f(1/3) > f(1/3) => [a4, 24] = [a3, 13] = [0,472,0,944] λy= ay+(1-2) ly-ay)= 0,6525. My = 13 = 0, 764 f(14)= f(0,6525)=-23,83 +(My)= f(0,764) = -24,35 [|ley-ay = 0,472 > E f(My) < f(74)= [065250,944] 15 = My=01764 M5= a5+d (les-a5) = 0,8322 les- 95 = 0,2915 (2=) STOP =) X min = 015+65 = 0,78