DECTXB >T » wavelet - STFT (Short-time - Fourier -T) > DCT (Discret-Cosho X=AS+n/ $\Rightarrow (A^{*}, S^{*}) = \underset{A,S}{\operatorname{arg min}} \frac{1}{2} |X - AS||_{F}^{2} + \chi |S|$

 $\int \frac{ds}{ds} \int \frac{ds}{ds} = \sqrt{2} + \sqrt{3}$ $\int \frac{ds}{ds} = \sqrt{2} + \sqrt{3}$ $\int \frac{ds}{ds} = \sqrt{2} + \sqrt{3}$ $\int \frac{ds}{ds} = \sqrt{2} + \sqrt{3}$ augnin = (1x - Ax 2x l/2 + Ux/1+19A). min 1/5/1

X2 = a21 S1 + a22 S2 X1 = au. P (P) S1 + a12 S2 min 3/1X-A8/12+ N/18/4+ 9(A) BCD. Block-cumolinate-Descend. Theration i win = 1 X-ASUF + NISh1+960 Sub-problem 1 (2(i) $5 \text{ Fix } S = S^{(2)}, \text{ min } = 11x - A811^2 + g(A),$ Sub-problem 2.