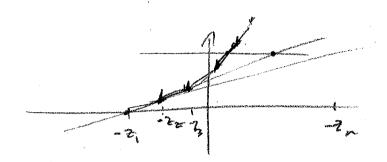
```
min { 11 x-211? st eTx &B x 20
KKT. 0 5 (x-2) + 2 L x 20
             \chi_{i}=0 => -\epsilon_{i}-\lambda \geq 0 => \epsilon_{i}+\lambda \leq 0
             メ( ) () = ) メ( ーを、 - ) = 0 = ) メ( こを、+ )
                   X = MAX (2,+ x,0) (=1...n
          +(x) = \(\frac{1}{2}\) x = \(\frac{1}{2}\) may (2,+ \(\frac{1}{2}\)).
            want to had & st. E(X) = B
           th) a concreasing function with
               f(0) = \sum_{i=1}^{n} max(z_{i}, 0)
           lin +(x) = 100
           live +(x) = D
      Assume whose that
                               +1 2 7 2 ...
                  X < -2, => 2, + X x0 Ye=1... n
                  λ ∈ [-₹,,-₹,] => ₹,+λ≥0
                                      7,+15 21-22 60 L= 3, nh 1
                   λ. ∈ [-3, -3,+1] => 3 (+λ 20 (=1.-)
                                          2+150 (=j+1...n.
   So for \lambda \in [-2, -3, -3, -1], t(\lambda) = \frac{1}{2}(2+\lambda) = (\frac{2}{2}2) + \lambda
```

= (wcom), +, x

$$y > -5 u = 2 + (y) = (mcrm) u + u y$$
 $y = [-3, -3, u] = 2 + (y) = (mcrm) u + u y$
 $y = 1... u - 1$



$$E(\lambda) = \beta$$

$$= 2 \quad \omega_{com_j} + j\lambda = \beta$$

$$= 2 \quad \lambda = \beta - \omega_{com_j}$$

mm {11x-5113 24 B-61x 30 x30 OE x-2 + le 1 x 20 x(=0=) x-2,20 => (=0=)x x = max (2,->, 0) OSX I B-CTK2 O chule: etzeB, 200 >> >=0, x=7 the 2, 2222 7.27 t(x) = 2 (x-) =0 (2x-) In +(A) = 0 x 1-0 Pin H(x) = 0 100 tion = \(\frac{7}{2.20} = \frac{7}{2} \). λε [2]n, 2) => 2, -λ ≥0 , L «εί» 2(-> 50 if 12) H $t(\lambda) = \sum_{i=1}^{J} (z_i - \lambda) = (z_i - \lambda)$ f(22) = (2cm), - 12, = 2, -22 Breakforns at 2,2222. 22k 20 22ky (L +(0) & B => X=0 ; x= max(2,0) 16 + (0) > B = = examine (0, 2x) 3K, 2KE1 e (2, n) 1 2 KH 5 KHS 1 to + 7 2)41 t(Z10), +(ZKN). + (Z2), +(Z) = 0.