```
HA_2_ DICyrob Thuropund

yt = 1.2yt-1-0.2yt-2+Ut, AR(2),
                                                                ut ~ N(0, 52)
    Pemetune:

1) M = E(1.2 \text{ yt-1} - 0.2 \text{ yt-2} + \text{ut}) = 1.2 E(\text{yt-1}) - 0.2 E(\text{yt-2})
         M= 1.2 M-0.2 M
        M = M
    j_{t+1} = E(j_{t+1}|j_t, j_{t-1}) = 1.2j_t - 0.2j_{t-1} + u_{t+1}

j_{t+2} = E(j_{t+2}|j_t, j_{t-1}) = 1.2j_{t+1} - 0.2j_t^{\vee} =
       =1.2(1.2yt-0.2yt-1)-0.2yt=1.44yt-0.24yt-1+1.2h
      -0.2 (12 yt + ut+2 = 1.24 yt -0.24 yt-1 +1.2 ut+1 -0.2 ut+2
    Jt+3=1.2. Jt+2-0.2 Jt+1+ Ut+3=
=1.2. (1.24 yt-0.24 Jt-1+1.2 Ut+1-0.2 Ut+2)-0.2 Jt+1+ Ut+3
    = 1,4884t -0.2884t-1 -0.24t+1+,
+1244+1-0244+2+4+3
                                                             E (ui)=0.
   2) Var(\hat{y}_{t+1}) = Var(u_{t+1}) = r^2

Var(\hat{y}_{t+2}) = 1.44 r^2 + r^2 = 2.44 r^2

Var(\hat{y}_{t+3}) = 1.24^2 r^2 + 1.44 r^2 + r^2 = 3.9776 r^2
    3) 0.2x^2 - 1.2x + 1 = 0
          D=1.44-0.8=0.82
        X_1 = \overline{0.4} = 5
                                     => proyecc reason. cray.
          X2 = 1 - pe yg.
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