```
H(S) = U(S) = \frac{(S+2)(S^2+2S+2)}{(S+2)(S^2+2S+2)} = \frac{(S^2+2S^2+2S+3)^2+6S+6}{(S^2+2S^2+2S+3)^2+6S+6}
"Ead at az
                                  5+25+53
                                 53+582+85+6
direktna
         11 1 (2) = 22 + 38 +5 E3+2 85+8 MOS)
   V(S) = 1 (S)
                             ツ(t) + てい(t) + 8v(t) + 6v(t) + u(t)
  X1(+)=V(+)
  ×2(+)= × (+) = 0, (-)
  × 2 (+) = V2 (+) = 03 (+) = (1)
 XI(t) = X2(t)
 ×2(+) = ×3(+)
 ×3(t)= -5×3(t)-8×2(t)-6×,(t)+4(t)
 4(3) = (82+32+2) V(S) = V(t) + 3V(t) + 2V(t)
     = x3(t) + 3x2(t) + 2x1(t)
 4(+)=[23 1] [x1] + [D] W(+)
paralelia S2+33+2
  H(S) = (S+3)CS2+23+2
   = A + Bs+4 - A(s2+2s+2) + (Bs+c)(s+3)
$2+30+2 = A 32+2A S+ 2A + B 82+3B 5+ C 5+3C
             A=1-3=$1-3=5
 1= 1+3
                3=2A+3B+C
                   2=2-20+3-30=503=-50 3=3
 2 = 2 A + 3 C
H(S) = 2 1 + 3 + 5 

5 + 25 + 25 + 2
x1(t)=-3x1(t)+u(t) y1(t)= = = x1
 315)= (35+ 3+ ) = 2+25+2 U(3) 1 W2(5) = 12+25+1 U(3) V2(+)+2V2(+)+2V2(+)
 ×2 = Vo (+)
 ×3= ×2(t)= 22(+)
 x3=-2×3(+)+2×2(+)+4(+)
 =3x3(t) + 2x2(t)
```

