```
restart;
    with(orthopoly);
                             [G, H, L, P, T, U]
Polinoamele Legendre monice
   for k from 0 to 3 do
   pi[k](t)=sort(P(k,t)/lcoeff(P(k,t)));
   end do;
                                 \pi_0\left(t\right) = 1
                                 \pi_1(t) = t
                             \pi_2(t) = t^2 - 1/3
                            \pi_3(t) = t^3 - 3/5t
Polinoamele Cebisev\#1
    for k from 0 to 3 do \,
    pi[k](t)=sort(T(k,t));
    end do;
                                 \pi_0\left(t\right) = 1
                                 \pi_1(t) = t
                              \pi_2(t) = 2t^2 - 1
                             \pi_3(t) = 4t^3 - 3t
Polinoamele Cebisev#2
   for k from 0 to 3 do
   pi[k](t)=sort(U(k,t));
> end do;
                                 \pi_0\left(t\right) = 1
                                \pi_1\left(t\right) = 2\,t
                              \pi_2(t) = 4t^2 - 1
                             \pi_3(t) = 8t^3 - 4t
Polinoamele Laguerre monice
   for k from 0 to 3 do
    pi[k](t)=sort(L(k,t)/lcoeff(L(k,t)));
    end do;
                                \pi_0\left(t\right) = 1
                               \pi_1\left(t\right) = t - 1
                            \pi_2(t) = t^2 - 4t + 2
                        \pi_3(t) = t^3 - 9t^2 + 18t - 6
Polinoamele Hermite monice
  for k from 0 to 3 do
   pi[k](t)=sort(H(k,t)/lcoeff(H(k,t)));
    end do;
```

$$\pi_0\left(t\right) = 1$$

$$\pi_1\left(t\right) = t$$

$$\pi_2\left(t\right) = t^2 - 1/2$$

$$\pi_3\left(t\right) = t^3 - 3/2\,t$$
 Polinoame Jacobi cu $\alpha = 1/2$ si $\beta = -1/2$ > $a := 1/2$: $b := -1/2$;
$$b := -1/2$$
 > for k from 0 to 3 do > pi[k](t)=sort(expand(P(k,a,b,t))/1coeff(expand(P(k,a,b,t)))); > end do;
$$\pi_0\left(t\right) = 1$$

$$\pi_1\left(t\right) = t + 1/2$$

$$\pi_2\left(t\right) = t^2 + 1/2\,t - 1/4$$

$$\pi_3\left(t\right) = t^3 + 1/2\,t^2 - 1/2\,t - 1/8$$