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> with(qseries);
[aqprod, changes, etamake, etaq, findcong, findhom, findhomcombo, findhomcombomodp,
findhommodp, findlincombo, findlincombomodp, findnonhom, findnonhomcombo, findpoly,
jac2prod, jac2series, jacprod, jacprodmake, mprodmake, packageversion, prodmake, qbin,
qdegree, qetamake, qfactor, qs2jacco, quinprod, sift,  $\theta$ ,  $\theta_2$ ,  $\theta_3$ ,  $\theta_4$ , tripleprod, winquist,
zqfactor] (1)
> x:=add(q^(n*(n+1)/2),n=0..20);
x :=  $1 + q + q^3 + q^6 + q^{10} + q^{15} + q^{21} + q^{28} + q^{36} + q^{45} + q^{55} + q^{66} + q^{78} + q^{91} + q^{105} + q^{120} + q^{136} + q^{153}$ 
       $+ q^{171} + q^{190} + q^{210}$  (2)
> etamake(x,q,20);

$$\frac{\eta(2\tau)^2}{q^{1/8}\eta(\tau)} \span style="float:right">(3)$$

> qetamake(x,q,20);

$$\frac{E(q^2)^2}{E(q)} \span style="float:right">(4)$$

> P:=series(1/etaq(q,1,1001),q,1001):
> qdegree(P);
1000 (5)
> findcong(P,1000);
[4, 5, 5]
[5, 7, 7]
[6, 11, 11]
[24, 25, 25]
{[4, 5, 5], [5, 7, 7], [6, 11, 11], [24, 25, 25]} (6)

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