S((x-1)/sin^2 x)dx=
=S(x/sin^2 x)dx - S(1/sin^2 x)dx=
=S(x/sin^2 x)dx + ctgx=
=-ctg x* x + ln|sinx| + ctgx + C

S(x/sin^2 x)dx =uv - Svdu= -ctg x* x + S(ctg x)dx =
=-ctg x* x + ln|sinx|

u=x
du = dx
dv=(1/sin^2 x)dx
v = S(1/sin^2 x)dx=-ctg x

z=sin(ln t) * t - (cos(ln t)*t + z)
z = tsin(lnt) - tcos(ln t) - z
2z = tsin(lnt) - tcos(ln t)
z = t/2 (sin(ln t) - cos(ln t))

S(sin (ln x/9)) dx=9*S(sin (ln x/9)) *d(x/9)=
= 9*S(sin (ln t)) *dt = 9*(t/2 (sin(ln t) - cos(ln t))) + C =
= 9*((x/18) (sin(ln x/9) - cos(ln x/9))) + C
x/9=t

1)z=S(sin (ln t)) *dt= sin(ln t) * t - S(t * cos(ln t) * 1/t)dt =
= sin(ln t) * t - S(cos(ln t))dt =
sin(ln t) * t - (cos(ln t)*t + S(sin(ln t))dt) =

u = sin(ln t)
du = cos(ln t) * 1/t dt

dv = dt
v = t

2)S(cos(ln t))dt= cos(ln t)*t + S(t*sin(ln t) * 1/t)dt =
cos(ln t)*t + S(sin(ln t))dt

u = cos(ln t)
du = -sin(ln t) * 1/t dt

dv = dt
v = t