q-constraint-sum[11,40]

$\forall x,\ x':(\mathbb{N} \to \mathbb{Q}),\ r_1,\ r_2:\mathbb{Z},\ k:\mathbb{N},\ y:(\mathbb{Q}\ \text{List}).$
$(k \leq \|y\|)$
$\Rightarrow \text{q-rel}(r_1;\text{q-linear}(k;j.x(j);y))$
$\Rightarrow \text{q-rel}(r_2;\text{q-linear}(k;j.x'(j);y))$
$\Rightarrow \text{q-rel}(\text{q-rel-lub}(r_1;r_2);\text{q-linear}(k;j.(x(j)) + (x'(j));y))$