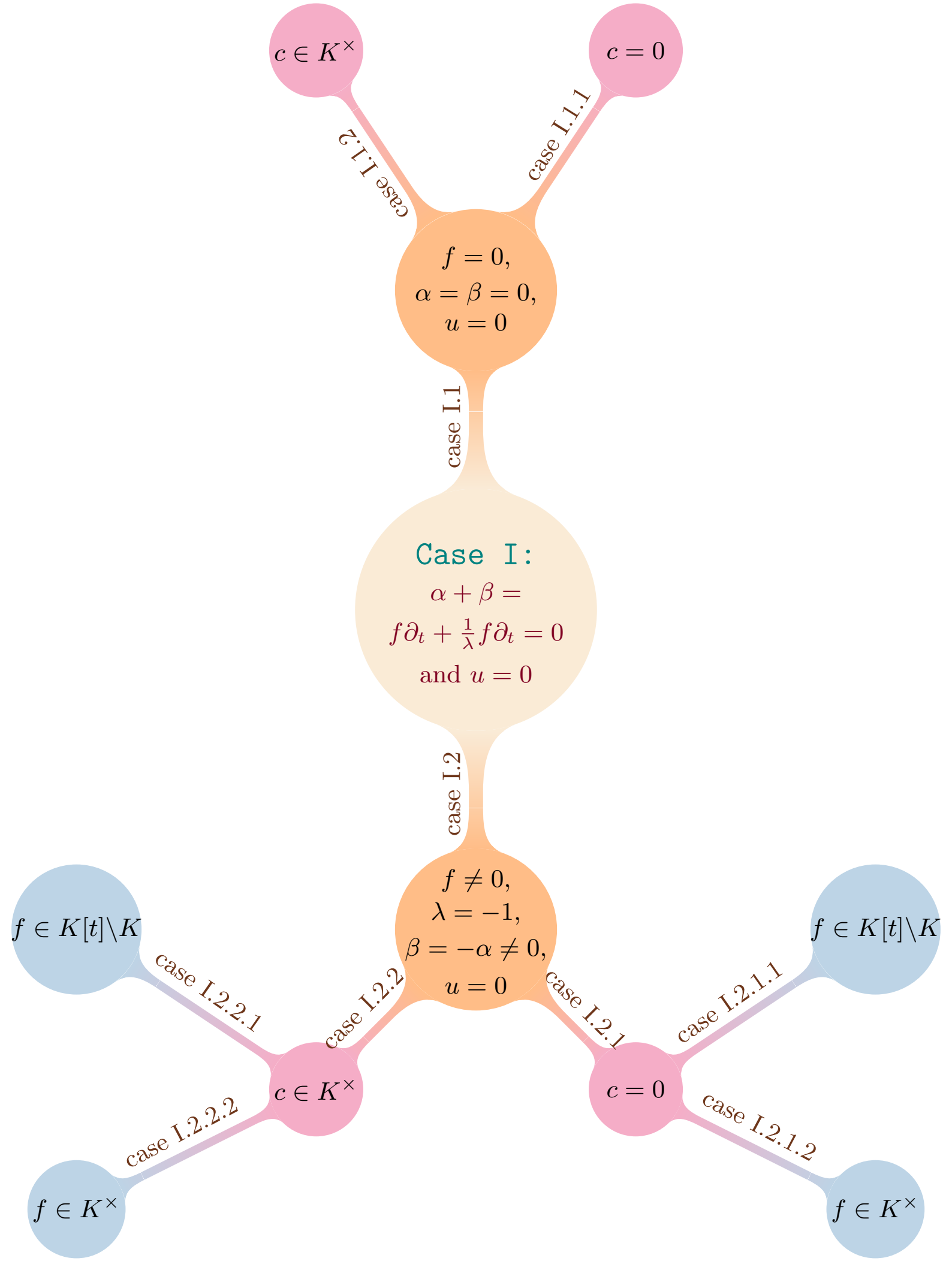
$c \in K^\times$
$c = 0$
case I.1.2
case I.1.1
$f = 0,$
$\alpha = \beta = 0,$
$u = 0$
case I.1
Case I:
$\alpha + \beta =$
$f\partial_t + \frac{1}{\lambda} f\partial_t = 0$
and $u = 0$
case I.2
$f \neq 0,$
$\lambda = -1,$
$\beta = -\alpha \neq 0,$
$u = 0$
$f \in K[t]\backslash K$
case I.2.2.1
case I.2.2
case I.2.1
case I.2.1.1
$f \in K[t]\backslash K$
$c \in K^\times$
$c = 0$
case I.2.2.2
case I.2.1.2
$f \in K^\times$
$f \in K^\times$