```
Invariants[a List, t List] := Invariants[a, t] =
Block[{1 = a, r = t},
 Do[If[(i=i/@1) \neq {}],
    r = Select[\{1, i\}^{T},
         Count[i, #[2]] == 1 &] [ ;; , 1] [] r;
    1 = Complement[1, r]],
   {i, {If[# === Abs /@#, #, 0] &,
     JonesPolynomial, Colourings[#, 5] &}}];
 {1, r}];
```