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