1)

$$BASE$$
$$BALL$$
$$\overline{}$$
$$GAMES$$

B: 7
A: 4
S: 8
L: 5
G: 1
M: 9
E: 3 .

```
  7 4 8 3
  7 4 5 5
-----------
1 4 9 3 8
```

2)

V : {WA, NT, Q, NSW, V, SA, T}

D : {Red, green, blue}

Constraints = Adjacent can't have same colours.

	WA	NT	SA	Q	NSW	V	T
Initial	RGB	RGB	RGB	RGB	RGB	RGB	RGB
WA→R	R	GB	GB	RGB	RGB	RGB	RGB
NT→G	R	G	B	RB	RGB	RGB	RGB
SA→B	R	G	R	R	G	RG	RGB
Q→R	R	G	R	R	G	RG	RGB
NSW→G	R	G	B	R	G	R	RGB
V→R	R	G	B	R	G	R	GB
T→G	R	G	B	R	G	R	GB

WA→R
NT→G
SA→B
Q→R
NSW→G
V→R
T→G