The package dice2e (2023-12-08 v0.2)

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Searching in the Comprehensive TeX Archive Network for the keyword *"dice"* I found four results: one is a METAFONT font, one a package which includes a clipped external file, and the other two use `tikz`. I thus decided (mostly for fun) to write a small package to draw dice with `pict2e`.

Loading it

The package is loaded as usual by

```
\usepackage{drcdice}
```

and it loads the packages `pict2e` and `color`. There is only one package option, `black`, which is described below.

Using it

The package provides a single macro \dice⟨*⟩[⟨*length*⟩]{⟨*number*⟩} doing this:

Code	Output
\dice{0}	⬜
\dice{1}	⊡
\dice*{2}	⚁
\dice{3}	⊡
\dice{4}	⊞
\dice*{5}	⚄
\dice{6}	⊞

Numbers larger than 6 (as well as negative numbers) yield an error. The optional parameter (default `2ex`) sets the symbols' size:

$$\text{\dice{3}} \rightarrow \text{⊡} \quad \text{\dice[3]{3}} \rightarrow \text{⊡}$$

If no explicit unit is given, then `ex` is assumed. The line thickness scales according to the size. (The default is currently fixed at `0.07742` times the total size; the weird number comes from the thickness being `0.8pt` in the default `10pt` setting.)

The package option 'black'

As you can see from the example, the macro \dice uses black pips on a white background, while the starred form \dice* uses white pips on a black background. By loading the package with the option `black`, the behaviour of the non-starred and starred forms is swapped.

Grammatical considerations

I know that technically the singular form is 'die' (though 'dice' is widely used also as singular), but I really did not want to write a macro named \die...