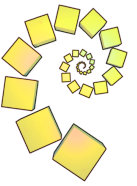# Mixed Up Socks

Start with three pairs of socks (or counters).

Can you mix them up so that no mismatched pair is the same as another mismatched pair? Remember that each pair must be different.

Now try it with four pairs of socks.

Is there more than one way to do it?
How do you know you have found all the ways?

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