

Black and White

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This document is about observations on the spirit of life, and engineering.

It is not about race.

White	Black
White, the spirit of structure and order	Black, the spirit of freedom
A conversation, waiting for a response, sending another message, waiting for another response	Posting a letter
Connected	Disconnected
A train connected into a circle, movement is not possible	A train on a train line, movement and travel to another location is possible
Links in a mechanism, too many - frozen	Links in a mechanism, too few – too loose
Tram: Drive 30 seconds, pause 10 seconds, drive 30 seconds etc.	Tram: Drive to point A, wait until timer point=40sec, drive to point B etc.
Synchronous: not suitable for complex networks as incompatible elements lock up	Asynchronous: higher risk, higher complexity
Next move - the current position plus a small step forward (no target need be defined). Intolerant of errors	Next move - a small step towards the destination (tolerant of sideways moves, error situations, obstructions)
Missing suitcase example (High White) - Outrage and telephoning the authorities	Missing suitcase example (High Black) - 'Its taken me 3 weeks to track you down and I'd appreciate having my bag back'
Missing suitcase example (Low) 'Can you please stop taking my bag it's getting really annoying'	

Synchronous	Asynchronous
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e.g. Traffic signals	e.g. Filling a water tank
Planned cycles	Responding to sensors as required
	Self-adjusting, subject to oscillation, loops etc. however.
Generation of wealth and plenty	Poor

2.

Too much white spirit leads to organised mass murder.

Too much black spirit leads to knife fights and people dying in the street.

Maybe just a little of each spirit could lead to harmony.

With apologies to anyone that finds any of the examples offensive.