



## SmartCash block creation

Every SmartCash block must contain a transaction with two specific outputs. The outputs' values (amount sent) can be extrapolated from the variable below.

```
block_value = floor(0.5+717500000/(block_height+1))*10^8
```

10% of `block_value` (floored) must be sent to a SmartNode address decided by the SmartCash Core. The method `getblocktemplate` returns JSON data with an element with index "smartnode", which holds this information. 85% of `block_value` (floored) must be sent to one of five SmartHive addresses which change every few blocks according to the pseudo-code below.

```
block_rotation = block_height-85*floor(block_height/85)
if(block_rotation >= 39)
    hive_addr = 'Sxun9XDHLdBhG4Yd1ueZfLrPc9kZgwT1b'
else if(block_rotation >= 24)
    hive_addr = 'SU5bKb35xUV8aHG5dNarWHB3HBVjcCRjYo'
else if(block_rotation >= 16)
    hive_addr = 'SpusYr5tUdUyRXevJg7pnCc9Sm4HEzaYZF'
else if(block_rotation >= 8)
    hive_addr = 'SW2FbVaBhU1Www855V37auQzGQd8fuLR9x'
else if(block_rotation >= 0)
    hive_addr = 'Siim7T5zMH3he8xxtQzhmHs4CQSuMrCV1M'
```

The output values must be precise with an error margin of only  $2 \cdot 10^{-8}$  SMART.

5% of `block_value` can be kept by the block creator. It is best to get this value from `getblocktemplate` (`coinbasevalue`) to avoid rounding confusion.

The information in this document is valid only from block 300000 to 717499999.