One of the most common tasks a user can do in a raster workflow is to reclassify raster maps.

At this stage the raster calculator does not support conditional statements, so it is not possible to say (for example):

\[(\text{ASTGTM2\_N37W026\_dem@1} \leq 30) = 1 \lor (\text{ASTGTM2\_N37W026\_dem@1} > 30) = 2 \lor (\text{ASTGTM2\_N37W026\_dem@1} > 200) = 5\]

the workaround is awful

\[(\text{ASTGTM2\_N37W026\_dem@1} \leq 30) \times 1 + (\text{ASTGTM2\_N37W026\_dem@1} > 30) \times 2 + (\text{ASTGTM2\_N37W026\_dem@1} > 200) \times 3\]

as the raster calc just return 1 or 0, so the user must multiply for the needed value doing also a few sums along the way (because it is not possible to use conditions).

Related issues:
Related to QGIS Application - Bug report # 11682: Raster calculator produces ... Closed 2014-11-18

History
#1 - 2013-08-13 01:34 AM - Alexander Bruy

Probably related to #4476

#2 - 2014-04-25 11:04 AM - Michael Douchin

I agree. For example, we could use full expression syntax, such as

```sql
CASE
    WHEN raster1@1 > raster2@1 THEN raster1@1
... ELSE raster2@1
END
```

It is related to #4815 too

#3 - 2014-06-20 05:52 AM - Giovanni Manghi
- Target version set to Future Release - High Priority

#4 - 2017-02-15 08:22 AM - Luiz Andrade
Agreed, this would be great!

#5 - 2017-05-01 12:48 AM - Giovanni Manghi
- Easy fix? set to No