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Neo4j limit with non-constant



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I want to ask if it is possible to limit nodes returned by one segment of query with non-constant, that mean - I want limit to be dependent on some variable returned by query for example 30% of count of neighbor nodes.

neo4j limit



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edited Apr 9 at 12:35

asked Apr 9 at 12:25

Gondil
105 ● 8

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1 Answer

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It's a bit ugly, but what about something like this?

2

```
MATCH n-[:type]->(neighbor)
WITH n, toInt(count(neighbor) * 0.3) AS limit
MATCH n-[:type]->(neighbor)
WITH n, collect(neighbor)[1..limit] AS neighbors
UNWIND neighbors AS neighbor
RETURN n, neighbor
```



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answered Apr 9 at 12:48

Brian Underwood
4,364 ● 4 ● 18

Thanks for fast response. But is it needed to do same match 2 times? And also [1..limit] is not wanted I think collections are indexed from 0 so [0..limit]. But thanks for idea, now I'm trying something. – [Gondil](#) Apr 9 at 13:09

Good to know, what was the answer that worked for you? – [Brian Underwood](#) Apr 10 at 6:15

1 I partially used what you posted and changed it for my purpose. The example with 30% of count of neighbors was just an easy example, I needed also to sort that collection by another value first and then limit it using count of neighbor of neighbor etc. Shortly, my problem was little bit wider :) But it can be said that you gave me an idea how to do it. Sometimes my brain does not work properly and need to be pushed little bit :) – [Gondil](#) Apr 10 at 8:00

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asked 4 months ago

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