

GROUP BY!

Hodina č. 4

DÚ

Součet počtu znaků názvu, součet počtu znaků originálního názvu, počet knih, průměrný věk knih (zaokroulený a nezaokroulený spočítaný).

Najdi knihy, kde originální jazyk "French" a vydání mezi rokem 1980 a zároveň kniha musí být více než 14 let stará (od dnešního dne). Knihy byly přeloženy do jazyka začínající na "czech" nebo do jazyka "slovakia" a musí mít vyplněného autora.

Vydavatel knihy nesmí obsahovat znak "a" nebo znak "e". Délka originálního názvu musí být kratší než délka přeloženého názvu.

SELECT

SUM(LENGTH(original_title)),
SUM(LENGTH(title)),
COUNT(*),
AVG(date('now') - year)

FROM books

WHERE

year BETWEEN 1980 AND date('now', "-14 year")

AND (language_translation LIKE "czech%" **OR**

language_translation LIKE "slovakia")

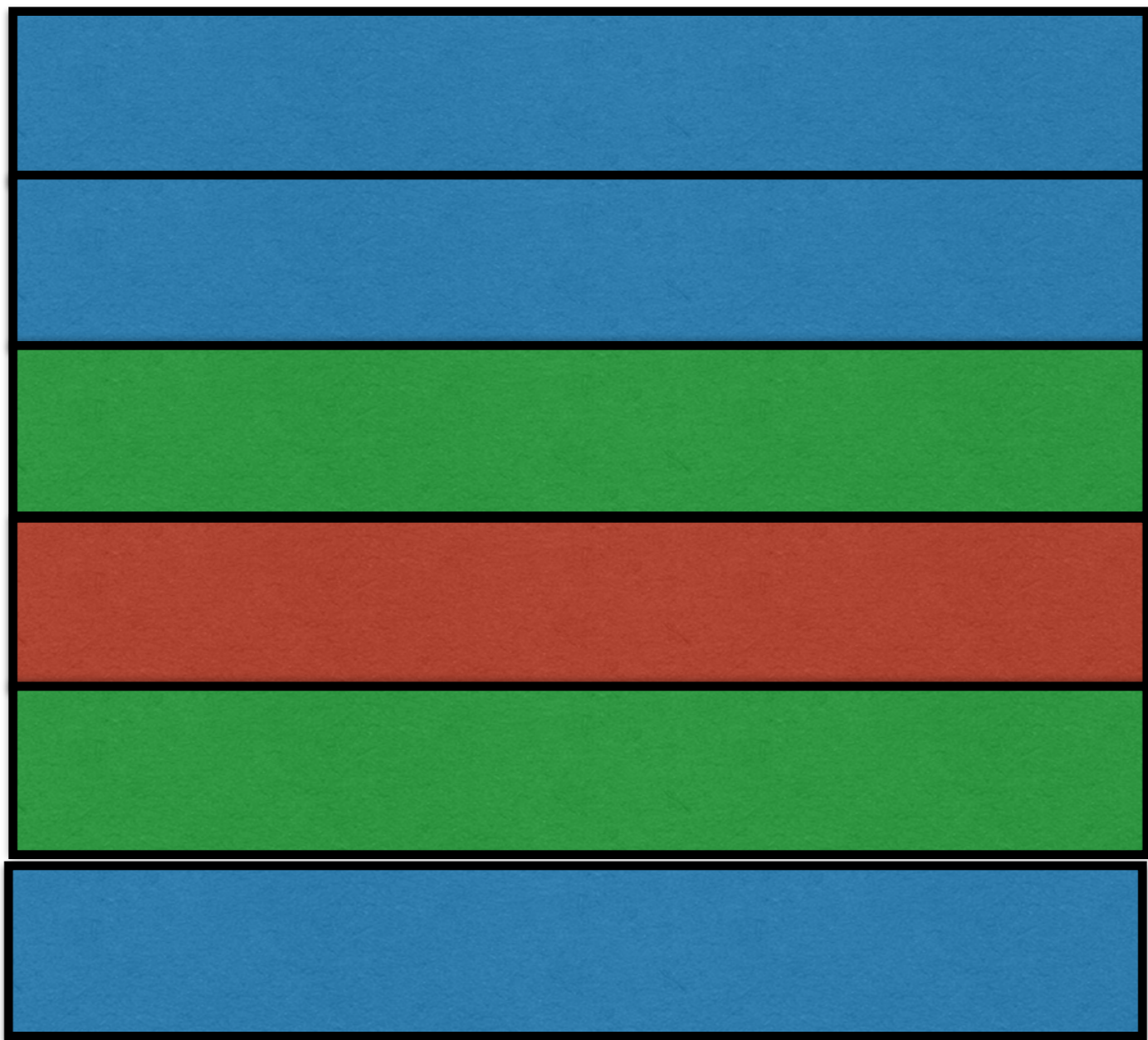
AND authors IS NOT NULL

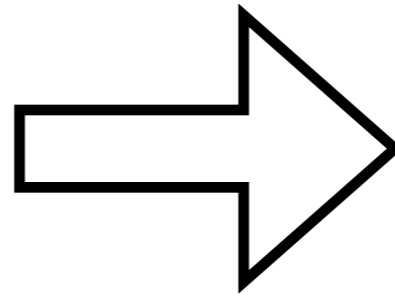
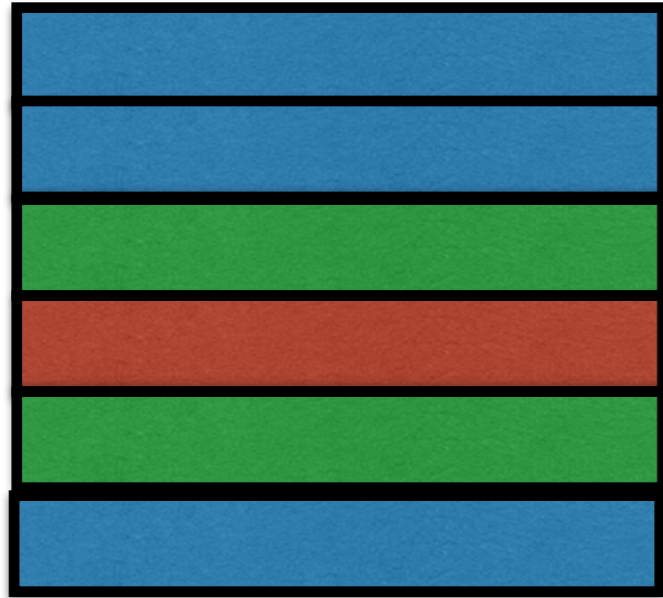
AND publisher NOT LIKE "%a%"

AND publisher NOT LIKE "%e%"

AND LENGTH(title) > LENGTH(original_title)

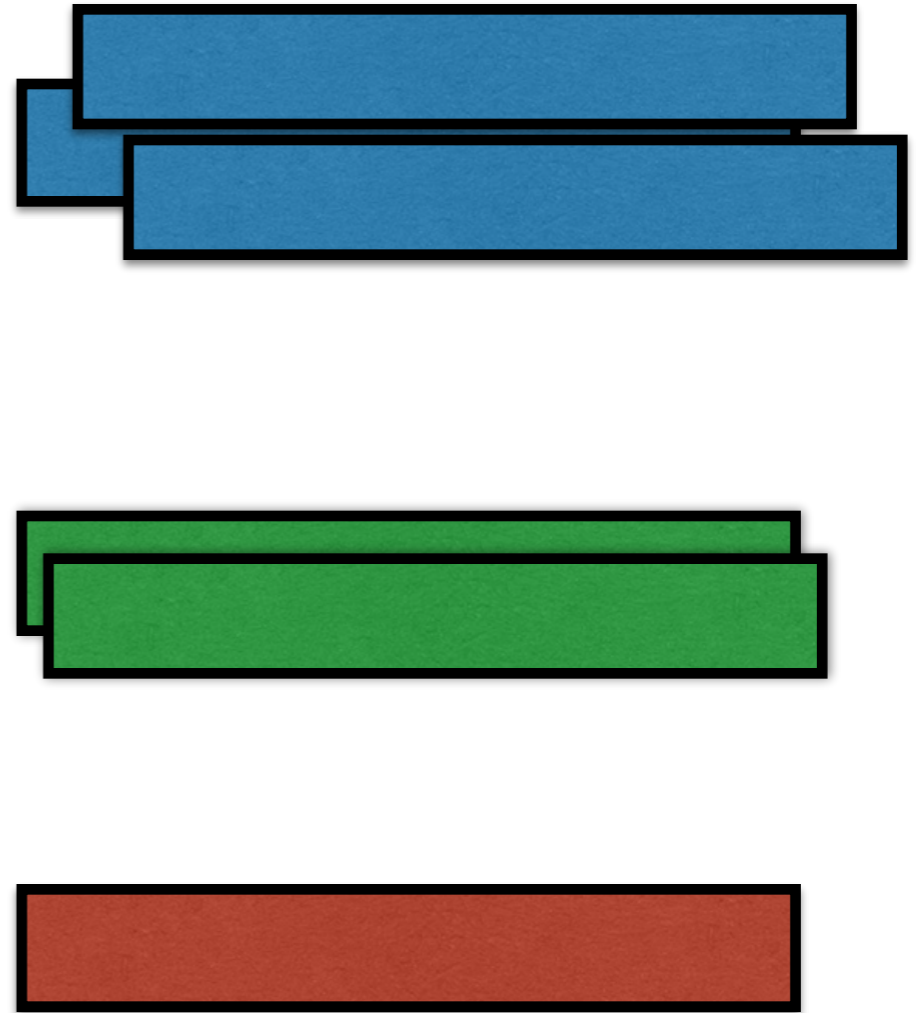
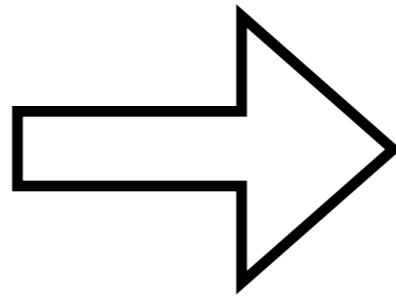
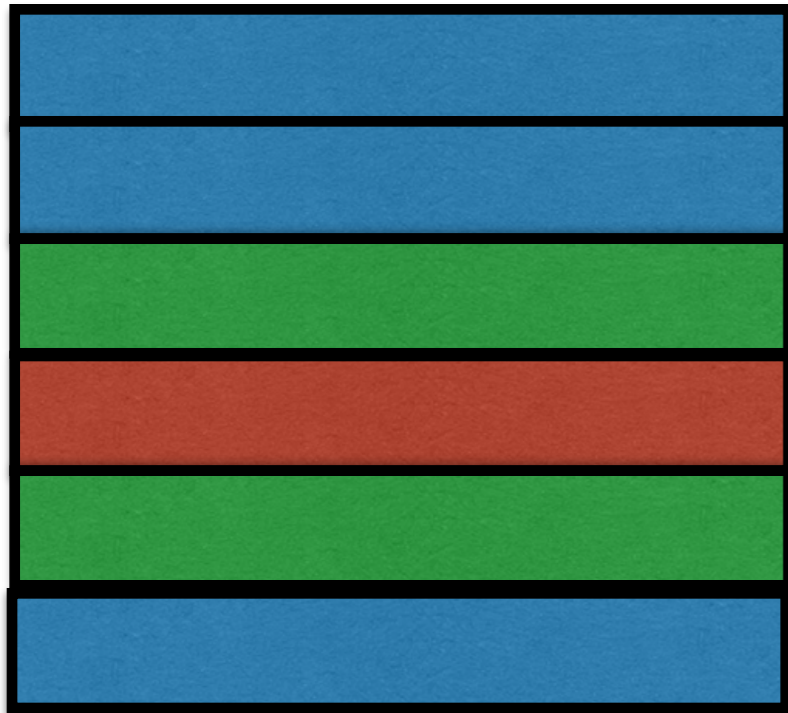
AND language_original LIKE "french";



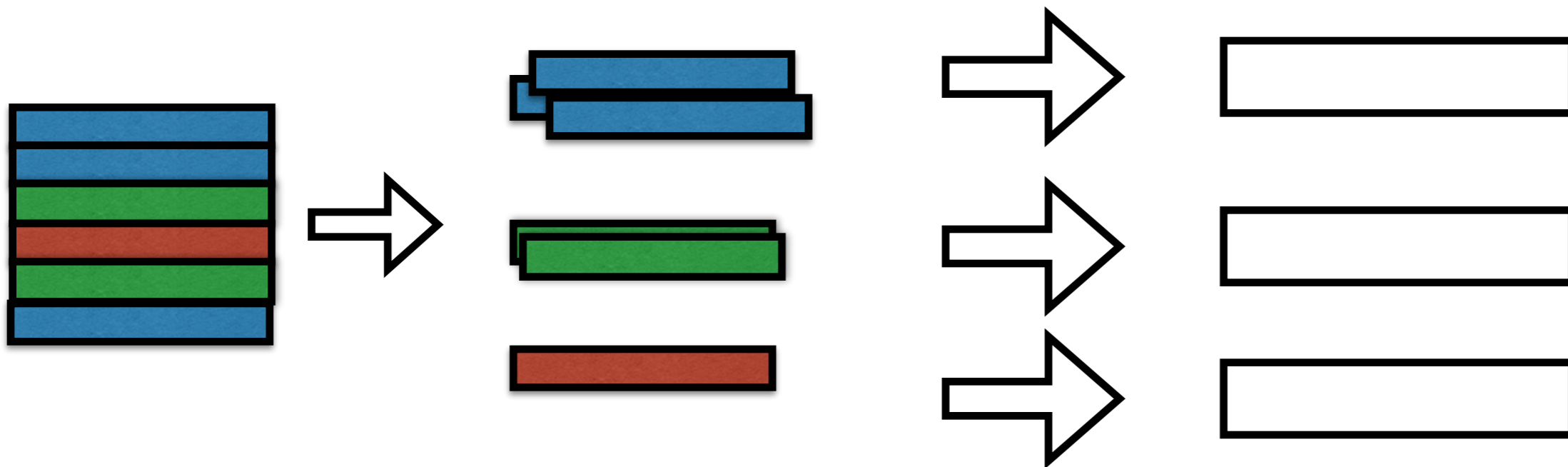


Agregace

GROUP BY



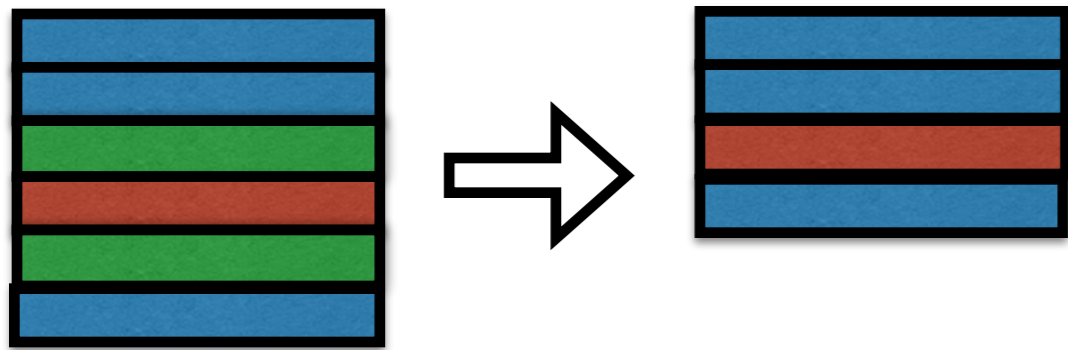
GROUP BY + agregace



WHERE +
GROUP BY + agregace

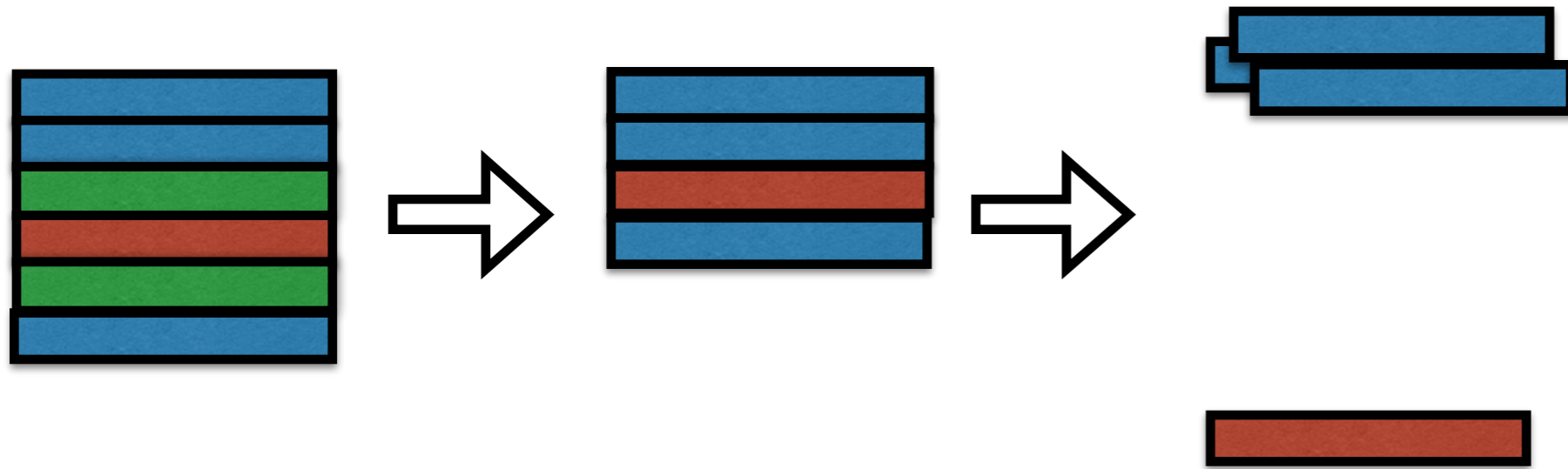


WHERE + GROUP BY + agregace



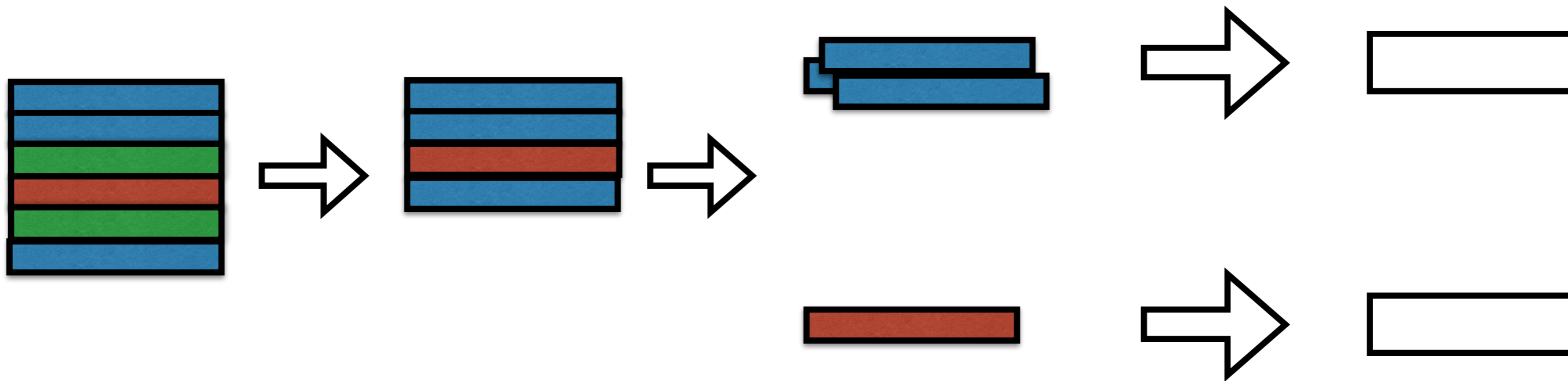
where **BLUE** or **RED**

WHERE + GROUP BY + agregace



GROUP BY color

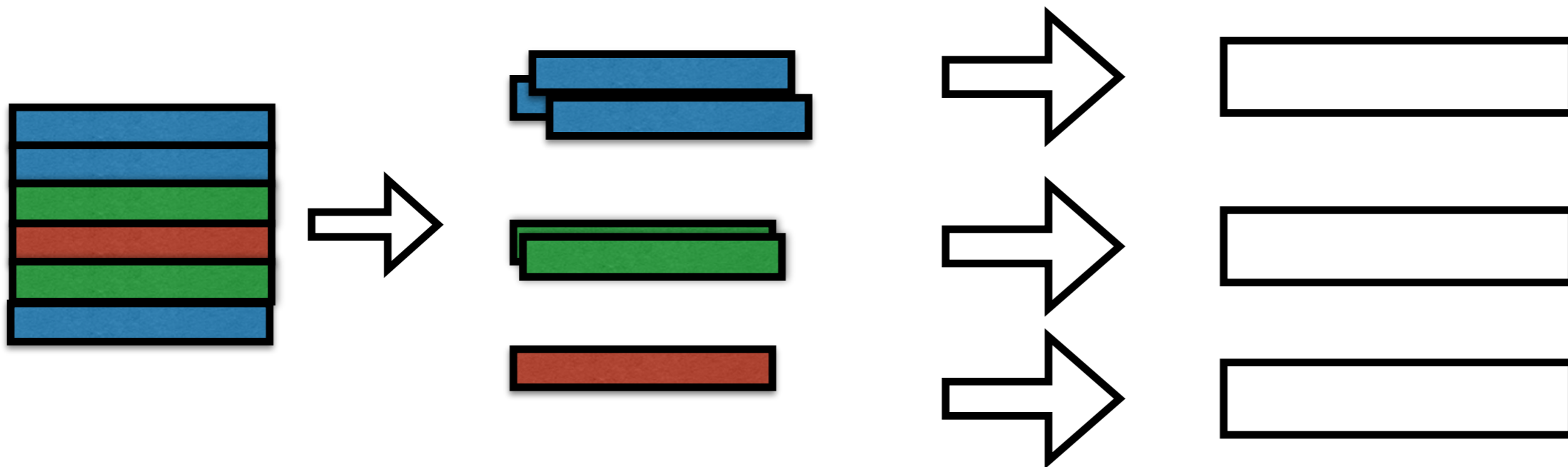
WHERE + GROUP BY + agregace



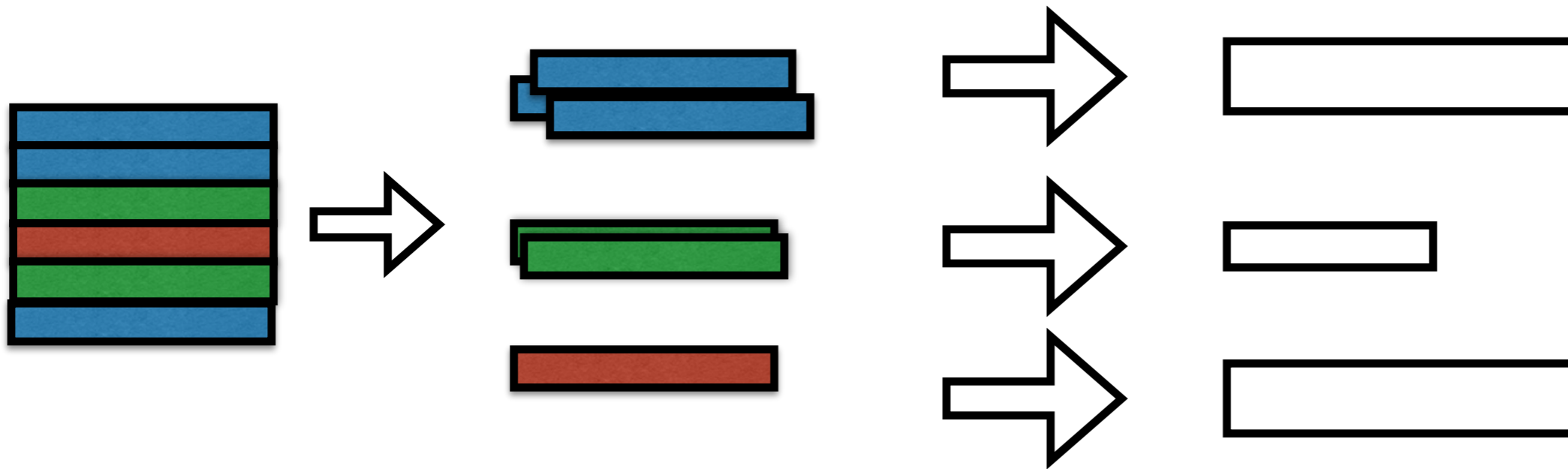
Agregační funkce

HAVING!

GROUP BY + agregace + HAVING



GROUP BY + agregace + HAVING



GROUP BY + agregace + HAVING

