

foor of loop vs reduce method

v1

- by

-

compares the fastest algorithm with a database of 100 recipes

+ Setup HTML - click to add setup HTML

Setup JavaScript

```
      "ingredient": "Sucre glace",
      "quantity": 500,
      "unit": "grammes"
    },
    "time": 60,
    "description": "Préparer la frangipane : Mélanger le sucre la poudre d'amander, le beurre et les oeufs. Etaler la moitié de la pate feuilleté et mettre dans un moule à tarte. Garnir de frangipane et recouvrir du reste de pate feuilletée. Mettre au four 30 minutes",
    "appliance": "Four",
    "ustensils": ["rouleau à pâtisserie", "fouet"]
  },
  {

```

reduce method

finished

41281793.31 ops/s ± 11.4%

Fastest

```
checkValues_FilterRecipes = () => {
  const searchbar = document.querySelector('form .search-bar');
  let searchbarValue = '';
  if(searchbar.value.length >= 3) {
    searchbarValue = searchbar.value.toLowerCase().trim();
  }

  this.filteredResult = data.reduce((filteredRecipes, currentRecipe) => {
    let matchIngredient, matchAppliance, matchUstensil;

    if(this.currentTags.ingredients.every(tagIngredient =>
      currentRecipe.ingredients.some(ingredient => ingredient.toLowerCase().includes(tagIngredient.toLowerCase()))
    ) {

```

DEFER

for of loop

finished

46467118.18 ops/s ± 8.27%

Fastest

```
checkValues_FilterRecipes = () => {
  this.filteredResult = new Set();
  const searchbar = document.querySelector('form .search-bar');
  let searchbarValue = '';
  if(searchbar.value.length >= 3) {
    searchbarValue = searchbar.value.toLowerCase().trim();
  }

  for(let currentRecipe of data) {
    let matchIngredient, matchAppliance, matchUstensil;

    // si une recette contient tous les tag ET le mot clé dans la barre de recherche => matchIngredient = true

```

DEFER

+ Test Case - click to add another test case

+ Teardown JS - click to add teardown JavaScript

+ Output (DOM) - click to monitor output (DOM) while test is running

▶ RUN again