Algorithm 1 CKY probabiliste (Max Product)

```
function CKY(w[1..n], G :< NT, T, P, ρ >, R[1..n, 1..n])   ▷ w : mot ; G : Grammaire ; C : charte
    for all max ← 2, |n| do                                  ▷ Boucle gnt l'empan
        for all min ← max − 2, 0 do
            for all nt ∈ NT do
                best = 0;
                for all nt → nt^1 nt^2 ⊂ P do
                    for all mid ← min + 1, max − 1 do
                        t1 = R[min][mid][nt^1];
                        t2 = R[mid][max][nt^2];
                        candidate = t1 ∗ t2 ∗ ρ(binary);
                        if candidate > best then
                            best = candidate;
                R[min][max][nt] = best;
```