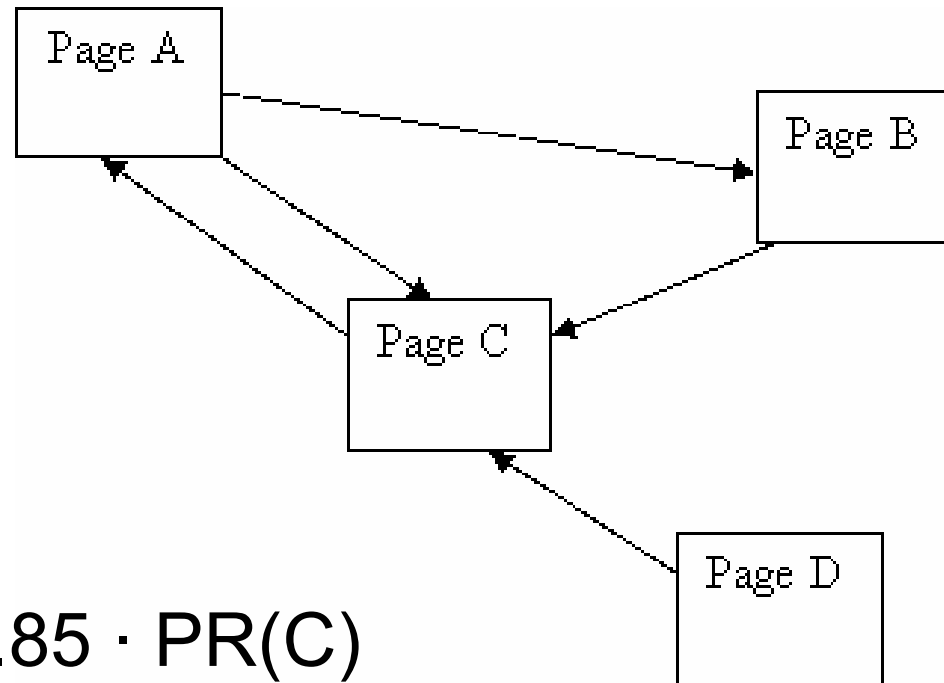


Another Example



$$PR(A) = 0.15 + 0.85 \cdot PR(C)$$

$$PR(B) = 0.15 + 0.85 \cdot (PR(A) / 2)$$

$$PR(C) = 0.15 + 0.85 \cdot (PR(A) / 2 + PR(B) + PR(D))$$

$$PR(D) = 0.15$$

```
// Class example ver.1
int main(int argc, char **argv)
{
    float a1, b1, c1, d1;
    a1 = b1 = c1 = d1 = 0;
    cout << "A=" << a1 << "; B=" << b1 << "; C="
        << c1 << "; D=" << d1 << "\r\n";
    for (int i = 0; i < 65; i++) {
        float a2 = 0.15 + 0.85 * (c1);
        float b2 = 0.15 + 0.85 * (a1/2);
        float c2 = 0.15 + 0.85 * (a1/2 + b1 + d1);
        float d2 = 0.15;
        a1 = a2;
        b1 = b2;
        c1 = c2;
        d1 = d2;
        cout << "(" << i << ") " << "A=" << a1
            << "; B=" << b1 << "; C=" << c1
            << "; D=" << d1 << "\r\n";
    }
    cout << "Average=" << (a1 + b1 + c1 + d1) / 4
        << "\r\n";
    return 0;
}
```

```
// Class example ver.2
int main(int argc, char **argv)
{
    float a1, b1, c1, d1;
    a1 = b1 = c1 = d1 = 0;
    cout << "A=" << a1 << "; B=" << b1 << "; C="
        << c1 << "; D=" << d1 << "\r\n";
    for (int i = 0; i < 38; i++) {
        a1 = 0.15 + 0.85 * (c1);
        b1 = 0.15 + 0.85 * (a1/2);
        c1 = 0.15 + 0.85 * (a1/2 + b1 + d1);
        d1 = 0.15;
        cout << "(" << i << ") " << "A=" << a1
            << "; B=" << b1 << "; C=" << c1
            << "; D=" << d1 << "\r\n";
    }
    cout << "Average=" << (a1 + b1 + c1 + d1) / 4
        << "\r\n";
    return 0;
}
```

A=0; B=0; C=0; D=0

(0) A=0.15; B=0.15; C=0.15; D=0.15

(1) A=0.2775; B=0.21375; C=0.46875; D=0.15

(2) A=0.548437; B=0.267938; C=0.577125; D=0.15

(3) A=0.640556; B=0.383086; C=0.738333; D=0.15

(4) A=0.777583; B=0.422236; C=0.875359; D=0.15

(5) A=0.894056; B=0.480473; C=0.966874; D=0.15

(6) A=0.971843; B=0.529974; C=1.06588; D=0.15

(7) A=1.05599; B=0.563033; C=1.14101; D=0.15

(8) A=1.11986; B=0.598798; C=1.20488; D=0.15

(9) A=1.17414; B=0.62594; C=1.26242; D=0.15

(10) A=1.22306; B=0.649011; C=1.30856; D=0.15

...

(53) A=1.48986; B=0.783172; C=1.57635; D=0.15

(54) A=1.4899; B=0.783191; C=1.57639; D=0.15

(55) A=1.48993; B=0.783206; C=1.57642; D=0.15

(56) A=1.48996; B=0.78322; C=1.57645; D=0.15

(57) A=1.48998; B=0.783231; C=1.57647; D=0.15

(58) A=1.49; B=0.783241; C=1.57649; D=0.15

(59) A=1.49001; B=0.783249; C=1.5765; D=0.15

(60) A=1.49003; B=0.783256; C=1.57652; D=0.15

(61) A=1.49004; B=0.783262; C=1.57653; D=0.15

(62) A=1.49005; B=0.783267; C=1.57654; D=0.15

(63) A=1.49006; B=0.783271; C=1.57655; D=0.15

(64) A=1.49007; B=0.783275; C=1.57656; D=0.15

Average=0.999974

A=0; B=0; C=0; D=0

(0) A=0.15; B=0.21375; C=0.395438; D=0.15

(1) A=0.486122; B=0.356602; C=0.787213; D=0.15

(2) A=0.819131; B=0.498131; C=1.04904; D=0.15

(3) A=1.04169; B=0.592716; C=1.22403; D=0.15

(4) A=1.19042; B=0.655929; C=1.34097; D=0.15

(5) A=1.28982; B=0.698175; C=1.41912; D=0.15

(6) A=1.35626; B=0.726408; C=1.47136; D=0.15

(7) A=1.40065; B=0.745277; C=1.50626; D=0.15

(8) A=1.43032; B=0.757887; C=1.52959; D=0.15

(9) A=1.45015; B=0.766315; C=1.54518; D=0.15

(10) A=1.46341; B=0.771947; C=1.5556; D=0.15

...

(26) A=1.49007; B=0.783278; C=1.57656; D=0.15

(27) A=1.49008; B=0.783284; C=1.57657; D=0.15

(28) A=1.49009; B=0.783288; C=1.57658; D=0.15

(29) A=1.49009; B=0.78329; C=1.57659; D=0.15

(30) A=1.4901; B=0.783292; C=1.57659; D=0.15

(31) A=1.4901; B=0.783293; C=1.57659; D=0.15

(32) A=1.4901; B=0.783294; C=1.57659; D=0.15

(33) A=1.49011; B=0.783295; C=1.5766; D=0.15

(34) A=1.49011; B=0.783295; C=1.5766; D=0.15

(35) A=1.49011; B=0.783295; C=1.5766; D=0.15

(36) A=1.49011; B=0.783295; C=1.5766; D=0.15

(37) A=1.49011; B=0.783295; C=1.5766; D=0.15

Average=1