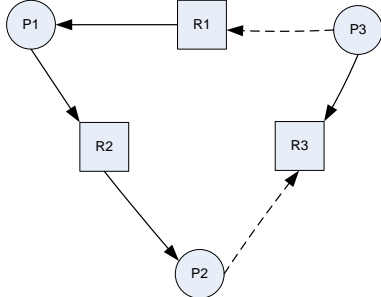


# Rešenja drugog kolokvijuma iz Operativnih sistema 2, septembar 2013.

1. (10 poena) a)(7) Sekvenca: P2.request(R3), P1.request(R1), P2.request(R2), P3.request(R3), P2.release(R3), P1.request(R2).



b)(3) Proces P3 će dobiti resurs R3 kada proces P2 oslobodi resurs R2.

2. (10 poena)

```
PageNo PageClocl::removeVictim () {
    if (hand==0) return -1; // No pages
    while (hand->ref) {
        hand->ref=0; hand=hand->next;
    }
    PageDescr* victim = hand;
    PageNo pg = victim->page;
    if (hand->next==hand) hand=0;
    else hand=hand->next;
    victim->remove();
    delete victim;
    return pg;
}
```

3. (10 poena)

```
int pgLoad(MMFSegment* mmf, PageNo pg, void* frame) {
    if (mmf==0 || pg<mmf->pgLow || pg>pgHigh) return -1; // Exception!
    unsigned int offset = (pg - mmf->pgLow)*PAGEGSIZE;
    return fread(mmf->fh, frame, offset, PAGESIZE);
}
```