procedure MATCHPW(data)
    find W_i and $\overline{W}_i$ for each i using `Match` function
    $B := \mathtt{Match}(\sum_i \overline{W}_i \cup \text{all controls})$
    $M := \sum_i W_i + B$
    $mdata := data[M]$ ▷ extracts matched data
    if data contains outcome variable Y: **then**
        estimate $\widehat{ATT}$ and $sd(\widehat{ATT})$ from model on $mdata$
    else
        $\widehat{ATT}$<-$sd(\widehat{ATT})$<-NULL
    return $mdata$, $\widehat{ATT}$ and $sd(\widehat{ATT})$