

# Polygraphic Substitution

	a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p	q	r	s	t	u	v	w	x	y	z
a	zn	zo	zp	zq	zr	zs	zt	zu	zv	zw	zx	zy	zz	za	zb	zc	zd	ze	zf	zg	zh	zi	zj	zk	zl	zm
b	yn	yo	yp	yq	yr	ys	yt	yu	yv	yw	yx	yy	yz	ya	yb	yc	yd	ye	yf	yg	yh	yi	yj	yk	yl	ym
c	xn	xo	xp	xq	xr	xs	xt	xu	xv	xw	xx	xy	xz	xa	xb	xc	xd	xe	xf	xg	xh	xi	xj	xk	xl	xm
d	wn	wo	wp	wq	wr	ws	wt	wu	wv	ww	wx	wy	wz	wa	wb	wc	wd	we	wf	wg	wh	wi	wj	wk	wl	wm
e	vn	vo	vp	vq	vr	vs	vt	vu	vv	vw	vx	vy	vz	va	vb	vc	vd	ve	vf	vg	vh	vi	vj	vk	vl	vm
f	un	uo	up	uq	ur	us	ut	uu	uv	uw	ux	uy	uz	ua	ub	uc	ud	ue	uf	ug	uh	ui	uj	uk	ul	um
g	tn	to	tp	tq	tr	ts	tt	tu	tv	tw	tx	ty	tz	ta	tb	tc	td	te	tf	tg	th	ti	tj	tk	tl	tm
h	sn	so	sp	sq	sr	ss	st	su	sv	sw	sx	sy	sz	sa	sb	sc	sd	se	sf	sg	sh	si	sj	sk	sl	sm
i	rn	ro	rp	rq	rr	rs	rt	ru	rv	rw	rx	ry	rz	ra	rb	rc	rd	re	rf	rg	rh	ri	rj	rk	rl	rm
j	qn	qo	qp	qq	qr	qs	qt	qu	qv	qw	qx	qy	qz	qa	qb	qc	qd	qe	qf	qg	qh	qi	qj	qk	ql	qm
k	pn	po	pp	pq	pr	ps	pt	pu	pv	pw	px	py	pz	pa	pb	pc	pd	pe	pf	pg	ph	pi	pj	pk	pl	pm
l	on	oo	op	oq	or	os	ot	ou	ov	ow	ox	oy	oz	oa	ob	oc	od	oe	of	og	oh	oi	oj	ok	ol	om
m	nn	no	np	nq	nr	ns	nt	nu	nv	nw	nx	ny	nz	na	nb	nc	nd	ne	nf	ng	nh	ni	nj	nk	nl	nm
n	mn	mo	mp	mq	mr	ms	mt	mu	mv	mw	mx	my	mz	ma	mb	mc	md	me	mf	mg	mh	mi	mj	mk	ml	mn
o	ln	lo	lp	lq	lr	ls	lt	lu	lv	lw	lx	ly	lz	la	lb	lc	ld	le	lf	lg	lh	li	lj	lk	ll	lm
p	kn	ko	kp	kq	kr	ks	kt	ku	kv	kw	kx	ky	kz	ka	kb	kc	kd	ke	kf	kg	kh	ki	kj	kk	kl	km
q	jn	jo	jp	jq	jr	js	jt	ju	jv	jw	jx	jy	jz	ja	jb	jc	jd	je	jf	jg	jh	ji	jj	jk	jl	jm
r	in	io	ip	iq	ir	is	it	iu	iv	iw	ix	iy	iz	ia	ib	ic	id	ie	if	ig	ih	ii	ij	ik	il	im
s	hn	ho	hp	hq	hr	hs	ht	hu	hv	hw	hx	hy	hz	ha	hb	hc	hd	he	hf	hg	hh	hi	hj	hk	hl	hm
t	gn	go	gp	gq	gr	gs	gt	gu	gv	gw	gx	gy	gz	ga	gb	gc	gd	ge	gf	gg	gh	gi	gj	gk	gl	gm
u	fn	fo	fp	fq	fr	fs	ft	fu	fv	fw	fx	fy	fz	fa	fb	fc	fd	fe	ff	fg	fh	fi	fj	fk	fl	fm
v	en	eo	ep	eq	er	es	et	eu	ev	ew	ex	ey	ez	ea	eb	ec	ed	ee	ef	eg	eh	ei	ej	ek	el	em
w	dn	do	dp	dq	dr	ds	dt	du	dv	dw	dx	dy	dz	da	db	dc	dd	de	df	dg	dh	di	dj	dk	dl	dm
x	cn	co	cp	cq	cr	cs	ct	cu	cv	cw	cx	cy	cz	ca	cb	cc	cd	ce	cf	cg	ch	ci	cj	ck	cl	cm
y	bn	bo	bp	bq	br	bs	bt	bu	bv	bw	bx	by	bz	ba	bb	bc	bd	be	bf	bg	bh	bi	bj	bk	bl	bm
z	an	ao	ap	aq	ar	as	at	au	av	aw	ax	ay	az	aa	ab	ac	ad	ae	af	ag	ah	ai	aj	ak	al	am

**Figure 1. A Digraph Cipher Table**